

TRADE **CHICAGO** MARK
SPRING HINGES



CHICAGO SPRING HINGE COMPANY
MANUFACTURERS
CHICAGO NEW YORK
U. S. A.



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TRADE **CHICAGO** MARK
SPRING HINGES

CATALOGUE
No. 55

ORGANIZED 1871
INCORPORATED 1885

Chicago Spring Hinge Company

MANUFACTURERS
GENERAL OFFICES & WORKS
1500 CARROLL AVE.
CHICAGO, U. S. A.

EASTERN OFFICE AND WAREHOUSE
109 LAFAYETTE STREET
NEW YORK

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CHICAGO SPRING HINGE COMPANY
CHICAGO, U. S. A.

CABLE ADDRESS
SPRINGHING-CHICAGO

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Catalogue No. 55

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Spring Hinges to Special Order

We will be pleased to receive inquiries regarding spring hinges not illustrated in our Catalogue or to meet special conditions.

Specifications

In specifying, to avoid mistakes or delays, always give the NUMBER and SIZE of the item required. Each item has a number and also a size description indicating dimensions pertaining to application of the article, or in some cases the size of the article itself. Refer to the catalogue and specify such information as is required.

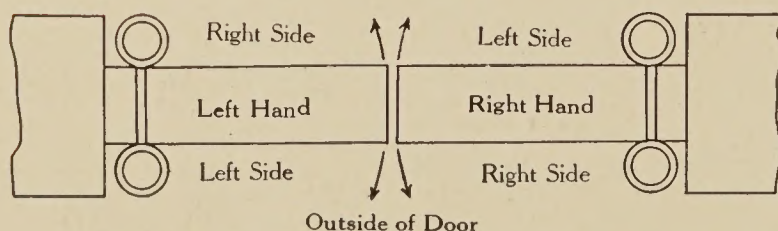
Label Color System

Green	Blue	Red
Steel or Iron Metal Japanned and Primed Finish	Steel or Iron Metal All Other Finishes	Brass or Bronze Metal All Finishes

We use the above method of labeling to facilitate locating the goods in stock. The label color broadly groups the metal and class of finish

To Determine Hand of Door

Double Acting



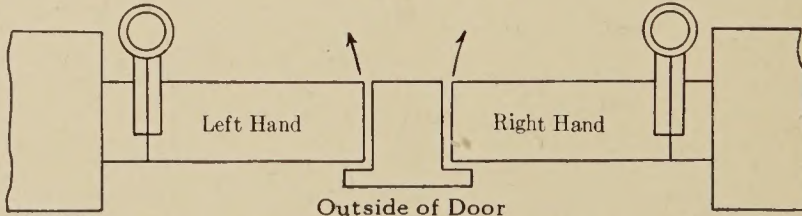
The hand of an article, applied to double acting doors is determined from the outside of the door to which it is applied. The outside of a closet door, for example, is the room side.

If, standing outside of a door, the hinges are on the right, it takes a right hand article. If on the left, it takes a left hand article.

To Specify Side of Article

To specify two finishes on the same article, stand in doorway

Single Acting



facing jamb and specify finish for right and left hand sides accordingly.

The hand of an article applied to single acting doors, is determined from the outside of the door to which it is applied. The outside of a closet door, for example, is the room side.

If, standing outside of a door, the hinges are on the right, it takes a right hand article. If on the left, it takes a left hand article. (From U. S. Bureau of Standards Recommendation.)

Numerical Classification Index

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P6227M	33	6395	41	7387	40	9131	14	12291	42	38185	45
C6227S	33	6397	40	7395	46	9132	15	12391	42	38215	45
CI6227S	33	6401	20	7397	40	9161	14	14005	41	38285	45
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List of Finishes and Symbols

U. S. Standard Finish Symbol	C.S.H.Co. Finish Symbol	DESCRIPTION OF FINISHES AS APPLIED TO OUR PRODUCT	REMARKS
USP	USP	Primed (For Painting)	
US1B	US1B	Japanned, Bright Black	
US1D	US1D	Japanned, Dead Black	
US2C	US2C	Cadmium, Plated	
US2G	US2G	Zinc, Plated, Dull.....	{Bureau of Standards indicates US2G finish as "Electro Galvanized." The process of electro galvanizing is electro plating with zinc.
US2H	US2H	Zinc, Hot Dipped, Natural.....	{We recommend using US2G finish for our products.
US2S	US2S	Sherardized, Natural.....	
US3	US3	Brass, Plated or natural metal, Bright	
US4	US4	Brass, " " " " Dull	
US5	US5	Brass, Plated or natural metal, Oxidized and relieved uniformly, Dull.....	{Bureau of Standards limits this finish to ornamental designs and suggests using US4 finish for plain hardware. Our US5 finish matches panel of ornamental designs.
US6	US6	Brass, Plated or natural metal, Oxidized and relieved uniformly, Sanded	
US7	Use US6	Brass, Plated or natural metal, Oxidized and relieved uniformly, Sanded.....	{Bureau of Standards limits this finish to ornamental designs. US6 finish on plain hardware is used to match US7 finish on ornamental hardware.
US8	US8	Copper, Plated, Oxidized and relieved transversely, Bright.....	{Relieved portion bright copper, oxidized portion dark.
US9	US9	Bronze, Plated or natural metal, Bright	
US10	US10	Bronze, " " " " Dull	
US11	US11	Bronze, Plated or natural metal, Oxidized and relieved uniformly, Dull.....	{Bureau of Standards limits this finish to ornamental designs and suggests using US10 finish for plain hardware. Our US11 finish matches panel of ornamental designs.
US12	US12	Bronze, Plated or natural metal, Oxidized and relieved uniformly, Sanded	
US13	Use US12	Bronze, Plated or natural metal, Oxidized and relieved uniformly, Sanded.....	{Bureau of Standards limits this finish to ornamental designs. US12 finish on plain hardware is used to match US13 finish on ornamental hardware.
US14	US14	Nickel Plated, Bright	
US15	US15	Nickel Plated, Dull	
US16	US16	Nickel Plated, Sanded	
US17	Use US16	Nickel Plated, Sanded.....	{Bureau of Standards limits this finish to ornamental designs. US16 finish on plain hardware is used to match US17 finish on ornamental hardware.
US18	US18	Bower Barff, Rustproof Black, Sanded	
US19	US19	Dull Black Plated, Oxidized, Sanded	
US20	US20	Statuary Bronze	
US20A	US20A	Statuary Bronze, Dark	
US21	US21	Statuary Bronze, Sanded	
US22	US22	Verde Antique	
US23	US23	Silver Plated, Oxidized and relieved uniformly, Dull	
US24	US24	Gold Plated, Dull	
US25	US25	White Bronze	
US26	US26	Chromium Plated, Bright	
US26D	US26D	Chromium Plated, Dull	

This list of finishes and symbols conforms to that issued by the United States Bureau of Standards.

Some of these finishes are limited to ornamental designs and are not applicable to plain hardware such as our product.

The term "oxidized and relieved uniformly" indicates that the entire surface has a slight cast of oxidation over it, with no mottling or striping.

"Oxidized and relieved transversely" indicates that the entire surface has been oxidized and the oxidation removed in stripes across the surface, so that the color of the plating or metal appears.

"Dull" indicates that the plating or metal is dull, not bright, but is not necessarily oxidized.

If a special finish is desired please send a sample or description.

List of Comparative Finishes and Symbols

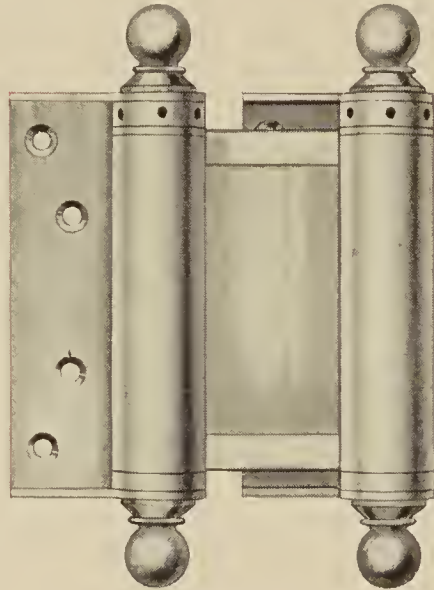
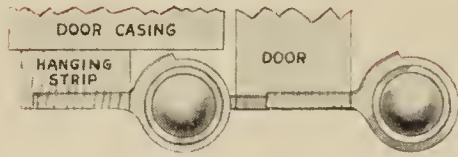
U. S. Standard Finish Symbol	DESCRIPTION OF FINISHES AS APPLIED TO OUR PRODUCT	Chicago Spring Hinge Co.	Corbin	Lock- wood	McKin- ney	Norwalk	Penn	Reading	Russwin	Sargent	Stanley	Yale
USP	Primed (For Painting).....	USP	J	J	PC	J	J	J			P	J
US1B	Japanned, Bright Black.....	US1B	D	JF	J	DJ	DJ	DJ			J	DJ
US1D	Japanned, Dead Black.....	US1D			DB	CA	Cad			J	K	
US2C	Cadmium Plated.....	US2C	G	Z	CM	G	Galv		G			
US2G	Zinc, Plated, Dull (Galvanized).....	US2G			EG			GL				
US2H	Zinc, Hot Dipped Natural.....	US2H			G			HG			R	
US2S	Sherardized, Natural.....	US2S			S						Z	
US3	Brass, Plated or natural metal, Bright.....	US3	A	13 1/2	BP	1B	BB	31	10	B	C	AZ10
US4	Brass, " " " " Dull.....	US4	EA	13	OB	K	DB	37	9	OB	F	AY22
US5	Brass, " " " " Oxidized and relieved uniformly, Dull.....	US5 See Page 6	KA	43	XB	K3	DBR	371	9C	OE	F4	AY21
US6	Brass, Plated or natural metal, Oxidized and relieved uniformly, Sanded.....	US6	SKA	51	XBS	HK3	SB	33	09C	RD	SF4	AX28
US7	Brass, Plated or natural metal, Oxidized and relieved uniformly, Sanded.....	See Page 6	RKA	45		HK3L	SB9	333	09B	R7D		AX28 1/2
US8	Copper Plated, Oxidized and relieved trans- versely, Bright.....	US8	R	7 1/2	AC	O	AC	24	7 1/2	AB	D2	CZ27
US9	Bronze, Plated or natural metal, Bright.....	US9	B	1	B	#1	BBZ	1	11	P	A	BZ10
US10	Bronze, " " " " Dull.....	US10	DB	34	DE	DB	DBZ	7	11D	OP	A5	BY22
US11	Bronze, " " " " Oxidized and relieved uniformly, Dull.....	US11 See Page 6	HB	23	DX	DB3	DBZR	271	11C	O6P	A4	BY21
US12	Bronze, Plated or natural metal, Oxidized and relieved uniformly, Sanded.....	US12	SHB	36 1/2	DXS	HDB3	SBZ	223	011C	RP	SA4	BX13
US13	Bronze, Plated or natural metal, Oxidized and relieved uniformly, Sanded.....	See Page 6	RHB	36		HDBL	SBZ9	225		R8P		BX13 1/2
US14	Nickel Plated, Bright.....	US14	E	5	N	NP	BN	80	4	N	N	NZ10
US15	Nickel " " " " Dull.....	US15	DE	90	ND	DN	DN	77	14	LN	N5	NY10
US16	Nickel " " " " Sanded.....	US16	SE	58	NS	HNPL	SN	78		RN	SN	NX10
US17	Nickel " " " " Oxidized.....	See Pg. 6	KE	5 1/2		HNPL	SN9	781		R7N		NX10 1/2
US18	Bower Barff, Rustproof Black, Sanded.....	US18	F	31	BB	R1	RP	87	46	BB	G	FX80
US19	Dull Black Plated, Oxidized, Sanded.....	US19	KF	6	EDB	HW	IRP	87 1/2	47	BN	H	FX90
												Steel BX80
												Bze. BY25
US20	Statuary Bronze.....	US20	*KB	38	YL	#2	BBZ4	222	2	A	B	BY25
US20A	Statuary " " Dark.....	US20A	*LB	2	YM	2D	BBZ6	2	2D	A3B	B1	BY65
US21	Statuary " " Sanded.....	US21	*SKB	38S	YLS	H2	SBZ4	223D	02	RA	SB	BX25
US22	Verde Antique.....	US22	V	85	V	VA	V	90	36	VA	V	BX67
US23	Silver Plated, Oxidized and relieved uni- formly, Dull.....											
US24	Gold Plated, Dull.....	US23	KS	72	PX	S	DSR	49	8C	LS	E4	SY52
US25	White Bronze.....	US24	DG	80	DG	T	DG	57	19	G		GY10
		US25	NK	95	W	NM	White	81	44	EM	NM	NZ40
US26	Chromium Plated, Bright.....	US26	CR	96	C	CP	Bronze BCH	CP	24	CM	CM	DZ10
US26D	Chromium " " Dull.....	US26D	DCR	97	CD	DCP	DCH	DCP	34	DCM	CMD	DY10

NOTE—Our finish symbols are the same as U. S. Standard Finish Symbols. United States Bureau of Standards limits some finishes to ornamental designs. Our product being plain, we therefore do not list a comparative symbol for such finishes. See Page 6.
*Specify U. S. finish symbol also if exact match is required.

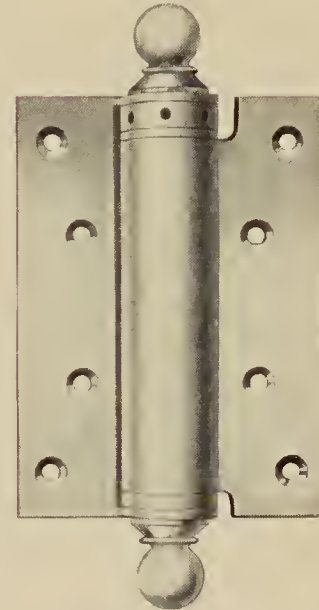
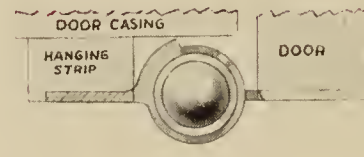
Chicago "Triplex" Spring Butt-Hinge

(Three Leaf Type)

Hanging Strip Required



Double Acting
Type 2001



Single Acting
Type 2002

Applied to Jamb Hanging Strip

The Chicago "Triplex" Spring Butt-Hinge is designed in accordance with scientific principles and has distinctive and practical features. The appearance, finish and durability of this hinge distinguish it as "A Spring Hinge of Quality."



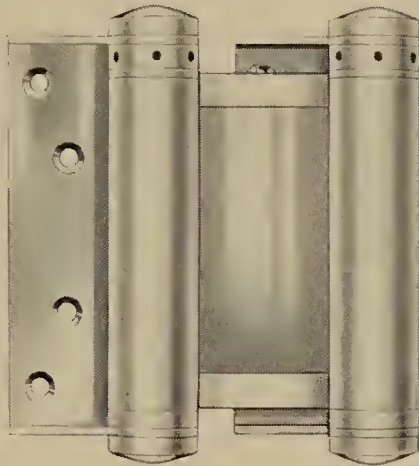
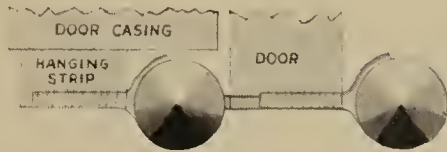
This type of Double Acting Hinge is desirable for outside doors, because it has two axis which give the door resistance against wind pressure when it is in closed position. It also has two springs, with tension adjustment and greater tension may be applied to close the door from one direction than the other. The design of this hinge allows the door to be opened 180 degrees, if other conditions permit.

"Triplex" hinges are made of the best materials and the highest standards of workmanship are maintained in production.

The "Triplex" conforms to standards which have always been recognized by the industry as important to the application and use of spring hinges. These standards are the distance between axial centers and the location of screw holes, which must be maintained the same so as to avoid confusion and unnecessary expense when making replacements.



The New *Streamline* Chicago "Triplex" Spring Butt-Hinge



Double Acting
Type BUT2001

Modern Architecture requires Spring Hinges of suitable design and proven quality.

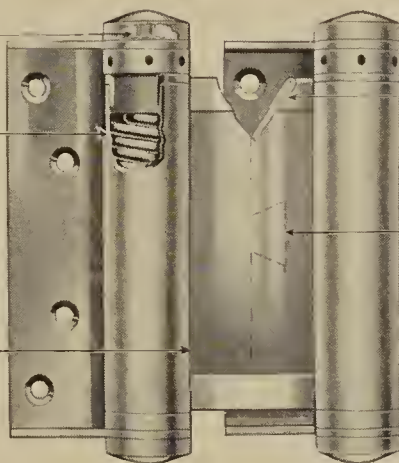
Streamlined "Triplex" double and single acting spring butt-hinges may now be ordered with button tip ornamentation in keeping with the most modern designs in builders hardware. They are as modern as the newest streamline train or the latest flagship of the trans-continental air fleets.

Careful designing has created features of proven advantage as illustrated and described below.

Button tip ornamentations are held securely in place by improved lock washer of latest design.

Single thickness of metal in spring barrel reduces outside diameter, giving streamlined appearance.

No open joint where spring barrel continues as the web. This avoids exposing springs to moisture.



Multiple thickness of metal in connecting web gives strength where needed most.

Dove-tail for locking continuous piece of metal used in forming barrels and connecting web.

Modern Button Tip Ornamentation
Neat *Streamlined* Appearance

If button tips are desired, prefix "BUT" to the Catalogue Number for hinge with ball tips.

Chicago "Triplex" Spring Butt-Hinge

(Three Leaf Type)

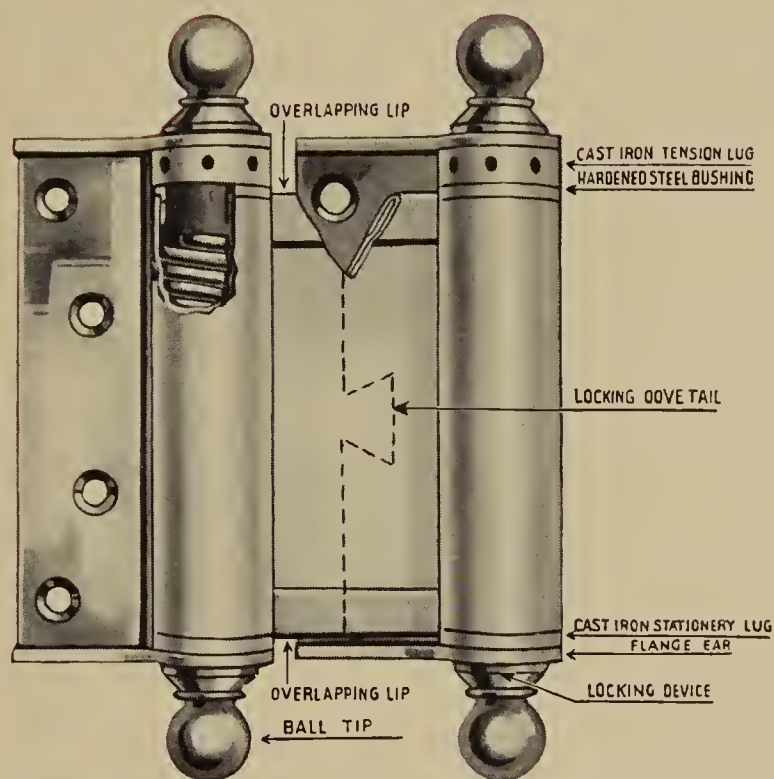
Hanging Strip Required

Description

The "TRIPLEX" (Three Leaf) Spring Butt-Hinge has many features which are exclusive and of recognized merit.

BODY.—The entire web and barrels are made of one continuous piece of metal formed so that the web portion has three thicknesses of metal and the barrels only one thickness. These results are accomplished without the use of any rivets to weaken the metal of the web. This construction gives proper strength to the web and avoids the use of heavy metal for the barrels where it is not needed and would enlarge them unnecessarily. As a result the barrels have a small outside diameter which gives them a neat appearance when applied to the door and a maximum inside diameter for powerful springs. The construction of barrels and web, as mentioned above, eliminates joints where the metal forming the barrels continues as the web, and avoids exposing the springs to moisture which would cause rust and breakage.

BEARINGS.—Careful attention to design and construction has reduced friction to a minimum and provided suitable bearings where needed. The tension lug operates in a hardened steel bushing, giving a broad bearing surface for the weight of the door; while the spindle of the lug, by which the tension is applied to the spring, sleeves into the neck of the bushing and provides an additional bearing.



Double Acting
Type 2001

SPRINGS.—Wire of the best tempered steel has been selected for the springs in Triplex Spring Hinges. These springs are of ample size and in proper proportion of length, diameter and gauge of wire.

DISASSEMBLEMENT FEATURE.—This feature originated on our product and has advantages and merit. Modern engineering has enabled us to improve our original locking device and the ball-tips are now retained securely by lock-washers of the most efficient type. Should occasion require that the hinge be taken apart, release the tension and unscrew the ball-tips with pliers or a vise. In reassembling the hinge it is essential that the parts be arranged as shown in illustration, in particular the flanges. With the tension lugs uppermost, the flange on the near side should open to the left.

SPECIFYING.—It is important that the proper size of hinge be specified to avoid the annoyance of doors not operating properly and the possibility of hinges breaking. The schedule given below will assist in selecting hinges which will be large enough to operate the doors efficiently.

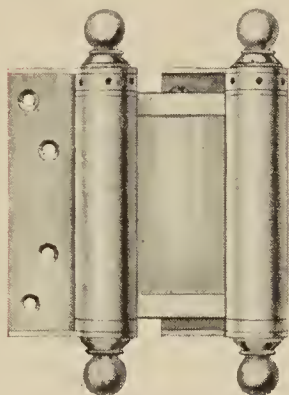
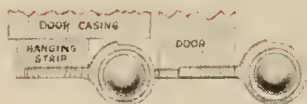
SPECIFICATION SCHEDULE

Size of Hinge Length of Flange	Door Thickness	Hanging Strip Depth	DOORS			
			Thick- ness	Width	Thick- ness	Width
3 in.	$\frac{3}{4}$ to 1 in.	$\frac{5}{8}$ in.	$\frac{3}{4}$ in. x 2 ft.	2 in. to 1 in. x 2 ft.	0 in.	
4 in.	$\frac{7}{8}$ to $1\frac{1}{4}$ in.	$\frac{5}{8}$ in.	$\frac{7}{8}$ in. x 2 ft.	2 in. to $1\frac{1}{4}$ in. x 2 ft.	0 in.	
5 in.	$1\frac{1}{8}$ to $1\frac{1}{2}$ in.	$\frac{3}{4}$ in.	$1\frac{1}{8}$ in. x 2 ft.	4 in. to $1\frac{1}{2}$ in. x 2 ft.	2 in.	
6 in.	$1\frac{1}{4}$ to $1\frac{3}{4}$ in.	$\frac{7}{8}$ in.	$1\frac{1}{4}$ in. x 2 ft.	6 in. to $1\frac{3}{4}$ in. x 2 ft.	4 in.	
7 in.	$1\frac{3}{8}$ to 2 in.	1 in.	$1\frac{3}{8}$ in. x 2 ft.	8 in. to 2 in. x 2 ft.	6 in.	
8 in.	$1\frac{1}{2}$ to $2\frac{1}{4}$ in.	1 in.	$1\frac{1}{2}$ in. x 2 ft.	10 in. to $2\frac{1}{4}$ in. x 2 ft.	8 in.	
10 in.	$1\frac{3}{4}$ to $2\frac{1}{2}$ in.	$1\frac{1}{8}$ in.	$1\frac{3}{4}$ in. x 3 ft.	0 in. to $2\frac{1}{2}$ in. x 2 ft.	10 in.	
12 in.	$2\frac{1}{4}$ to 3 in.	$1\frac{1}{4}$ in.	$2\frac{1}{4}$ in. x 3 ft.	2 in. to 3 in. x 3 ft.	0 in.	

This schedule is for inside doors, made of soft wood, and not weighted with plate glass or heavy hardware.

For outside doors, subject to draft; heavy doors of hardwood or doors weighted with plate glass or hardware, we suggest the use of three hinges to a door or two of the largest hinges which the thickness of the door will allow.

A narrow high door is much easier to swing than a wide low door of the same weight or thickness.



Chicago "Triplex" Spring Butt-Hinges

Double Acting

Type 2001

Hanging Strip Required

Length of Flange	INCHES								
	3	4	5	6	7	8	10	12	† 6
For Doors	$\frac{3}{4}$ to 1	$\frac{7}{8}$ to $1\frac{1}{4}$	$1\frac{1}{8}$ to $1\frac{1}{2}$	$1\frac{1}{4}$ to $1\frac{3}{4}$	$1\frac{3}{8}$ to 2	$1\frac{1}{2}$ to $2\frac{1}{4}$	$1\frac{3}{4}$ to $2\frac{1}{2}$	$2\frac{1}{4}$ to 3	$1\frac{1}{4}$ to $2\frac{1}{2}$

STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER PAIR									Special Wide Web Type G2001
Dead Black.....Japanned	2001	US1D	\$ 3.70	\$ 4.40	\$ 5.20	\$ 6.40	\$ 8.20	\$11.90	\$16.40	\$21.90	\$ 8.20	
Primed.....For Painting	2011	USP	"	"	"	"	"	"	"	"	"	
Brass, Bright.....Plated	2111	US3	5.00	6.00	7.00	8.90	11.50	16.40	22.60	30.10	11.50	
Brass, Dull....."	2281	US4	"	"	"	"	"	"	"	"	"	
Brass, Ox'd, Dull....."	2271	US5	"	"	"	"	"	"	"	"	"	
Bronze, Bright....."	2131	US9	"	"	"	"	"	"	"	"	"	
Bronze, Dull....."	2291	US10	"	"	"	"	"	"	"	"	"	
Bronze, Ox'd, Dull....."	2231	US11	"	"	"	"	"	"	"	"	"	
Statuary Bronze....."	2311	US20	"	"	"	"	"	"	"	"	"	
Copper, Ox'd, Bright....."	2171	US8	"	"	"	"	"	"	"	"	"	
*Zinc, Dull (Galvanized)...	2391	US2G	"	"	"	"	"	"	"	"	"	
Nickel, Bright....."	2211	US14	6.60	7.90	9.50	11.50	14.80	20.40	27.90	36.00	14.80	
Nickel, Dull....."	2021	US15	"	"	"	"	"	"	"	"	"	
Nickel, Sanded....."	2181N	US16	"	"	"	"	"	"	"	"	"	
Brass, Ox'd, Sanded....."	2181OB	US6	"	"	"	"	"	"	"	"	"	
Bronze, Ox'd, Sanded....."	2181OBZ	US12	"	"	"	"	"	"	"	"	"	
Statuary Bronze, Sanded..	2181SB	US21	"	"	"	"	"	"	"	"	"	
Dull Blk. (Ox'd), Sanded..	2161	US19	"	"	"	"	"	"	"	"	"	
Bower Barff.....	2121	US18	7.90	9.50	11.40	13.80	17.80	24.50	33.50	43.20	17.80	
Chromium, Bright.....Plated	2991	US26	See note	"	"	"	"	"	"	"	"	
Chromium, Dull....."	2981	US26D	"	"	"	"	"	"	"	"	"	
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.											
Brass Metal, Bright.....	2051	US3	\$13.20	\$15.00	\$18.40	\$22.80	\$29.00	\$39.00	\$52.90	\$82.50	\$29.00	
Bronze "....."	2041	US9	"	"	"	"	"	"	"	"	"	
Brass " Dull....."	2071	US4	14.60	16.80	20.30	25.00	31.90	42.90	57.90	88.70	31.90	
Brass " Oxidized, Dull.....	2191	US5	"	"	"	"	"	"	"	"	"	
Bronze " Dull....."	2061	US10	"	"	"	"	"	"	"	"	"	
Bronze " Oxidized, Dull.....	2251	US11	"	"	"	"	"	"	"	"	"	
Bronze " Statuary.....	2361	US20	"	"	"	"	"	"	"	"	"	
Brass " Ox'd Cop'r...Plated	2091	US8	"	"	"	"	"	"	"	"	"	
Brass " Br't Nickel... "	2221	US14	"	"	"	"	"	"	"	"	"	
Brass " Dull Nickel.. "	2261	US15	"	"	"	"	"	"	"	"	"	
Brass " Nkl., Sanded, "	2381N	US16	"	"	"	"	"	"	"	"	"	
Brass " Ox'd, Sanded.....	2381OB	US6	"	"	"	"	"	"	"	"	"	
Bronze " ".....	2381OBZ	US12	"	"	"	"	"	"	"	"	"	
Bronze " Statuary, Sanded...	2381SB	US21	"	"	"	"	"	"	"	"	"	
Brass " Br't Chrom. Plated	2401	US26	See note	"	"	"	"	"	"	"	"	
Brass " Dull Chromium "	2421	US26D	"	"	"	"	"	"	"	"	"	

†Special wide web type for gates with handrail of $3\frac{1}{2}$ inches maximum width. Prefix G to number when ordering.

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

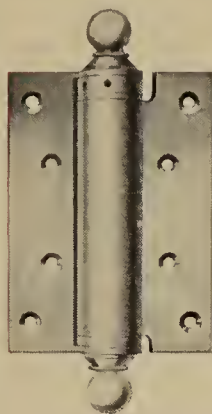
For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.

The finishes listed are standard. If a special finish is desired, send a sample or description.

Packed one pair in a box, with screws of same finish, tension adjuster and instructions for applying.

In ordering, always state "Number" and "Size."

Repair parts, pages 48, 49. Telegraph code, page 50. Table of weights, page 60. Detail drawing with measurements, page 54.



Chicago "Triplex" Spring Butt-Hinges

Single Acting

Type 2002

Hanging Strip Required

Length of Flange	INCHES								
	3	4	5	6	7	8	10	12	15
For Doors	$\frac{3}{4}$ to 1	$\frac{7}{8}$ to $1\frac{1}{4}$	$1\frac{1}{8}$ to $1\frac{1}{2}$	$1\frac{1}{4}$ to $1\frac{3}{4}$	$1\frac{3}{8}$ to 2	$1\frac{1}{2}$ to $2\frac{1}{4}$	$1\frac{3}{4}$ to $2\frac{1}{2}$	$2\frac{1}{4}$ to 3	$1\frac{1}{4}$ to $2\frac{1}{2}$

STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER PAIR									Special Wide Web Type G2002
Dead Black.....Japanned	2002	US1D	\$ 2.20	\$ 2.70	\$ 3.10	\$ 3.80	\$ 4.90	\$ 7.10	\$ 9.90	\$13.10	\$ 3.80	
Primed.....For Painting	2012	USP	"	"	"	"	"	"	"	"	"	
Brass, Bright.....Plated	2112	US3	2.90	3.60	4.20	5.30	6.90	9.90	13.50	18.10	5.30	
Brass, Dull....."	2282	US4	"	"	"	"	"	"	"	"	"	
Brass, Ox'd, Dull....."	2272	US5	"	"	"	"	"	"	"	"	"	
Bronze, Bright....."	2132	US9	"	"	"	"	"	"	"	"	"	
Bronze, Dull....."	2292	US10	"	"	"	"	"	"	"	"	"	
Bronze, Ox'd, Dull....."	2232	US11	"	"	"	"	"	"	"	"	"	
Statuary Bronze....."	2312	US20	"	"	"	"	"	"	"	"	"	
Copper, Ox'd, Bright....."	2172	US8	"	"	"	"	"	"	"	"	"	
*Zinc, Dull (Galvanized) ...	2392	US2G	"	"	"	"	"	"	"	"	"	
Nickel, Bright....."	2212	US14	4.00	4.70	5.70	6.90	8.90	12.20	16.70	21.60	6.90	
Nickel, Dull....."	2022	US15	"	"	"	"	"	"	"	"	"	
Nickel, Sanded....."	2182N	US16	"	"	"	"	"	"	"	"	"	
Brass, Ox'd, Sanded....."	2182OB	US6	"	"	"	"	"	"	"	"	"	
Bronze, Ox'd, Sanded....."	2182OBZ	US12	"	"	"	"	"	"	"	"	"	
Statuary Bronze, Sanded..	2182SB	US21	"	"	"	"	"	"	"	"	"	
Dull Blk. (Ox'd), Sanded..	2162	US19	"	"	"	"	"	"	"	"	"	
Bower Barff.....	2122	US18	4.80	5.60	6.80	8.30	10.70	14.60	20.00	25.90	8.30	
Chromium, Bright.....Plated	2992	US26	See note									
Chromium, Dull....."	2982	US26D	"	"								
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.											
Brass Metal, Bright.....	2052	US3	\$ 7.30	\$ 8.90	\$10.80	\$13.70	\$17.40	\$23.40	\$31.70	\$49.40	\$13.70	
Bronze " ".....	2042	US9	"	"	"	"	"	"	"	"	"	
Brass " Dull.....	2072	US4	8.10	9.90	11.90	15.00	19.10	25.70	34.70	53.20	15.00	
Brass " Oxidized, Dull.....	2192	US5	"	"	"	"	"	"	"	"	"	
Bronze " Dull.....	2062	US10	"	"	"	"	"	"	"	"	"	
Bronze " Oxidized, Dull.....	2252	US11	"	"	"	"	"	"	"	"	"	
Bronze " Statuary.....	2362	US20	"	"	"	"	"	"	"	"	"	
Brass " Ox'd Cop'r...Plated	2092	US8	"	"	"	"	"	"	"	"	"	
Brass " Br't Nickel... "	2222	US14	"	"	"	"	"	"	"	"	"	
Brass " Dull Nickel... "	2262	US15	"	"	"	"	"	"	"	"	"	
Brass " Nkl., Sanded, " "	2382N	US16	"	"	"	"	"	"	"	"	"	
Brass " Ox'd, Sanded.....	2382OB	US6	"	"	"	"	"	"	"	"	"	
Bronze " " ".....	2382OBZ	US12	"	"	"	"	"	"	"	"	"	
Bronze " Statuary, Sanded...	2382SB	US21	"	"	"	"	"	"	"	"	"	
Brass " Br't Chrom. Plated	2402	US26	See note									
Brass " Dull Chromium " "	2422	US26D	"	"								

‡Special wide web type for gates with handrail of 4 inches maximum width. Prefix G to number when ordering.

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.

The finishes listed are standard. If a special finish is desired, send a sample or description.

Packed one pair in a box, with screws of same finish, tension adjuster and instructions for applying.

In ordering, always state "Number" and "Size."

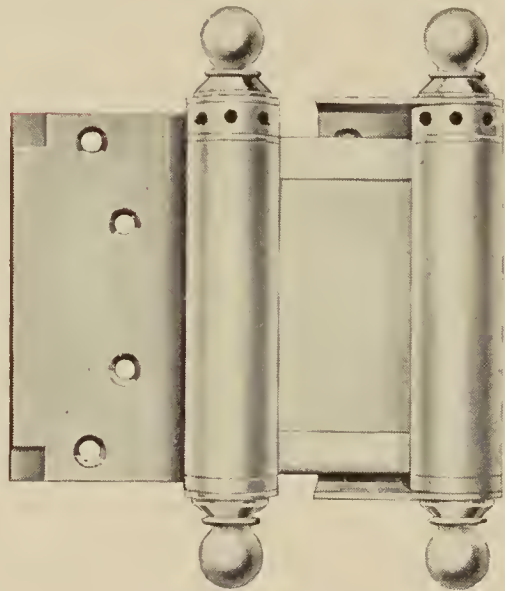
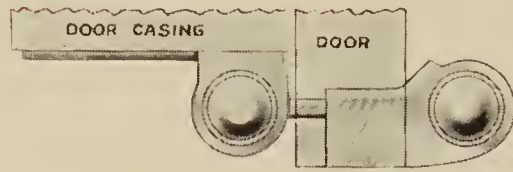
Single Acting Hinges, when so ordered, will be furnished with reverse acting springs to hold the door open.

Repair parts, pages 48, 49. Telegraph code, page 50. Table of weights, page 60. Detail drawing with measurements, page 54.

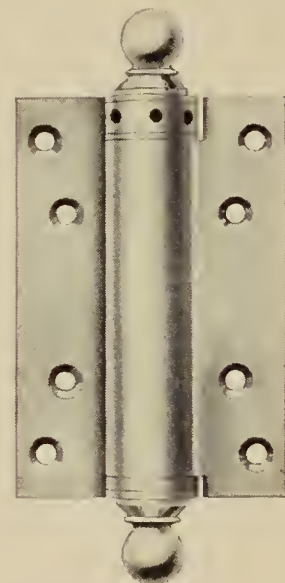
Chicago "Simplex" Spring Butt-Hinge

(Simple Application)

No Hanging Strip Required



Double Acting
Type 9001



Single Acting
Type 9002

Applied Directly to Door Casing

The Chicago "Simplex" Spring Butt-Hinge is designed to be applied directly to the door casing without the use of a Jamb Hanging Strip.



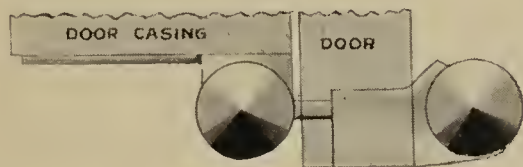
This type of Double Acting Hinge is applied with the entire thickness mortised into the door and the Jamb Flange attached to the surface of the door casing without any mortise cut being made. Application by this method is both simple and economical.

"Simplex" Spring Hinges are made to the same recognized standards as the "Triplex." The distance between axial centers, location of screw holes, length of mortise cut, size of springs and barrels, straight web made in multiple thickness, all are identical with the "Triplex," the standards of which have been recognized for many years.

The Single Acting Hinge is applied with the Jamb Flange mortised into the jamb and the Door Flange into the door, just as Single Acting Springless Butt-Hinges of standard make are applied. The Jamb Flange is flat so that the barrel of the hinge will not interfere with the architrave or the door casing. If desired, the entire thickness of the hinge may be mortised into the door and the Jamb Flange applied to the surface of the jamb.

This hinge is made of the best materials, and highest standards of workmanship are maintained in the production.

The New *Streamline* Chicago "Simplex" Spring Butt-Hinge

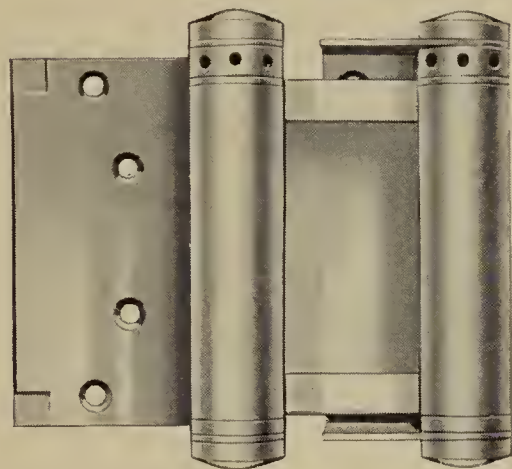


The new *Streamlined* "Simplex" spring butt-hinges, with button tips, combine the beauty of modern design with simplicity of application.

They are as modern as the newest streamline train and designed to harmonize with modern architectural requirements.

The quality of these hinges is the result of over fifty years of experience in the manufacture of spring hinges.

Important features of proven advantage are illustrated and described below.

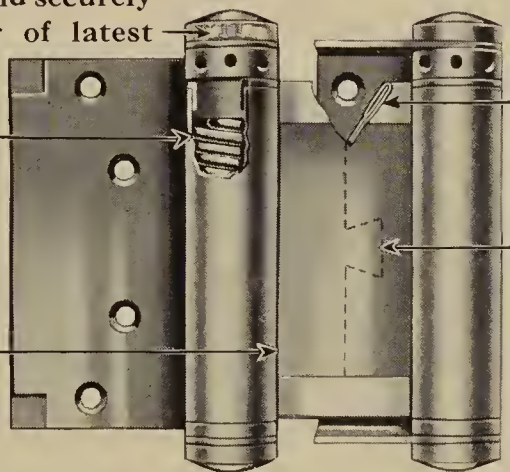


Double Acting
Type BUT9001

Button tip ornamentations are held securely in place by improved lock washer of latest design.

Single thickness of metal in spring barrel reduces outside diameter, giving streamlined appearance.

No open joint where spring barrel continues as the web. This avoids exposing springs to moisture.



Multiple thickness of metal in connecting web gives strength where needed most.

Dove-tail for locking continuous piece of metal used in forming barrels and connecting web.

Modern Button Tip Ornamentation
Neat *Streamlined* Appearance

If button tips are desired, prefix "BUT" to the Catalogue Number for hinge with ball tips.

Chicago "Simplex" Spring Butt-Hinge

(Simple Application)

No Hanging Strip Required

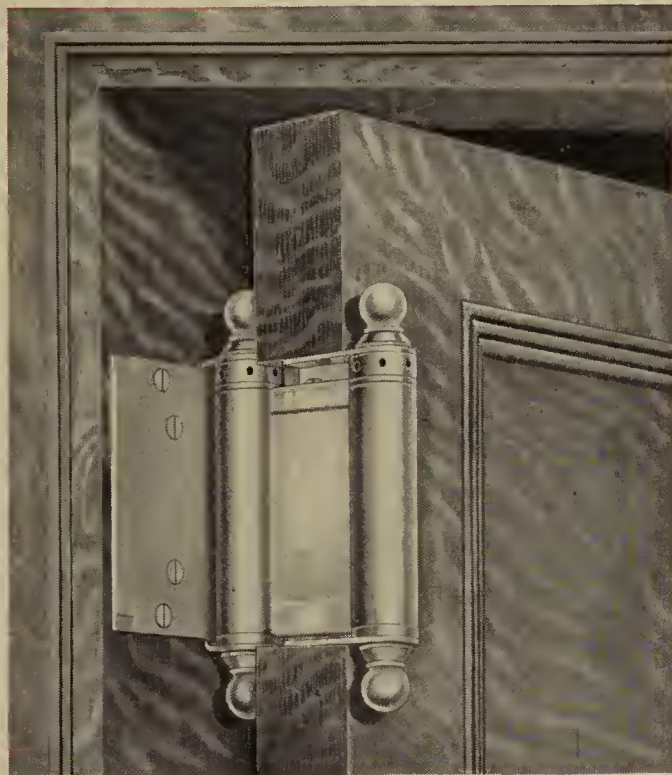
Description

The "SIMPLEX" (Simple Application) Spring Butt-Hinge has many features which are exclusive and of recognized merit.

APPLICATION.—It is designed to be applied directly to the door casing without the use of a Jamb Hanging-Strip. The entire thickness of the hinge is mortised into the door. This method of application is both simple and economical.

BODY.—The entire web and barrels are made of one continuous piece of metal formed so that the web portion has three thicknesses of metal and the barrels only one thickness. These results are accomplished without the use of any rivets to weaken the metal of the web. This construction gives proper strength to the web and avoids the use of heavy metal for the barrels where it is not needed and would enlarge them unnecessarily. As a result the barrels have a small outside diameter which gives them a neat appearance when applied to the door and a maximum inside diameter for powerful springs. The construction of barrels and web, as mentioned above, eliminates joints where the metal forming the barrels continues as the web, and avoids exposing the springs to moisture which would cause rust and breakage.

BEARINGS.—Careful attention to design and construction has reduced friction to a minimum and provided suitable bearings where needed. The tension lug operates in a hardened steel bushing, giving a broad bearing surface for the weight of the door; while the spindle of the lug, by which the tension is applied to the spring, sleeves into the neck of the bushing and provides an additional bearing.



Double Acting
Type 9001

SPRINGS.—Wire of the best tempered steel has been selected for the springs in Simplex Spring Hinges. These springs are of ample size and in proper proportion of length, diameter and gauge of wire.

DISASSEMBLEMENT FEATURE.—This feature originated on our product and has advantages and merit. Modern engineering has enabled us to improve our original locking device and the ball-tips are now retained securely by lock washers of the most efficient type. Should occasion require that the hinge be taken apart, release the tension and unscrew the ball-tips with pliers or a vise. In reassembling the hinge it is essential that the parts be arranged as shown in illustration, in particular the flanges. With the tension lugs uppermost, the flange on the near side should open to the left.

SPECIFYING.—It is important that the proper size of hinge be specified to avoid the annoyance of doors not operating properly and the possibility of hinges breaking. The schedule given below will assist you in selecting hinges which will be large enough to operate the door efficiently.

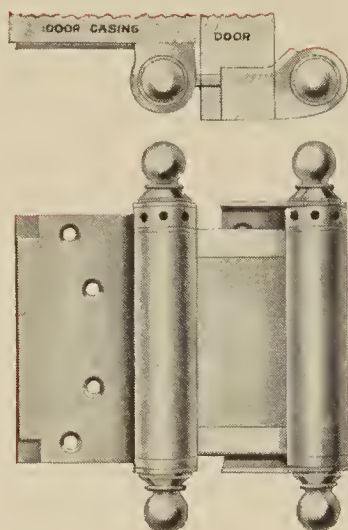
Specification Schedule

Size of Hinge Length of Door Flange	Door Thickness	DOORS			
		Thick- ness	Width	Thick- ness	Width
3 in.	$\frac{3}{4}$ to 1 in.	$\frac{3}{4}$ in. x 2 ft.	2 in. to	1 in. x 2 ft.	0 in.
4 in.	$\frac{7}{8}$ to $1\frac{1}{4}$ in.	$\frac{7}{8}$ in. x 2 ft.	2 in. to	$1\frac{1}{4}$ in. x 2 ft.	0 in.
5 in.	$1\frac{1}{8}$ to $1\frac{1}{2}$ in.	$1\frac{1}{8}$ in. x 2 ft.	4 in. to	$1\frac{1}{2}$ in. x 2 ft.	2 in.
6 in.	$1\frac{1}{4}$ to $1\frac{3}{4}$ in.	$1\frac{1}{4}$ in. x 2 ft.	6 in. to	$1\frac{3}{4}$ in. x 2 ft.	4 in.
7 in.	$1\frac{3}{8}$ to $1\frac{7}{8}$ in.	$1\frac{3}{8}$ in. x 2 ft.	8 in. to	$1\frac{7}{8}$ in. x 2 ft.	6 in.
8 in.	$1\frac{3}{4}$ to 2 in.	$1\frac{3}{4}$ in. x 2 ft.	10 in. to	2 in. x 2 ft.	8 in.
10 in.	$1\frac{3}{4}$ to $2\frac{1}{2}$ in.	$1\frac{3}{4}$ in. x 3 ft.	0 in. to	$2\frac{1}{2}$ in. x 2 ft.	10 in.

This schedule is for inside doors, made of soft wood, and not weighted with plate glass or heavy hardware.

For outside doors, subject to draft, heavy doors of hardwood or doors weighted with plate glass or hardware, we suggest the use of three hinges to a door or two of the largest hinges which the thickness of the door will allow.

A narrow high door is much easier to swing than a wide low door of the same weight or thickness.

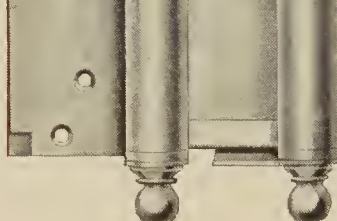


Chicago "Simplex" Spring Butt-Hinges

Double Acting

Type 9001

No Hanging Strip Required

	Length of Flange		INCHES						
			3	4	5	6	7	8	10
	For Doors		$\frac{3}{4}$ to 1	$\frac{7}{8}$ to $1\frac{1}{4}$	$1\frac{1}{8}$ to $1\frac{1}{2}$	$1\frac{1}{4}$ to $1\frac{3}{4}$	$1\frac{3}{8}$ to $1\frac{7}{8}$	$1\frac{3}{4}$ to 2	$1\frac{3}{4}$ to $2\frac{1}{2}$
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER PAIR						
Dead Black.....Japanned	9001	US1D	\$ 3.70	\$ 4.40	\$ 5.20	\$ 6.40	\$ 8.20	\$11.90	\$16.40
Primed.....For Painting	9011	USP	"	"	"	"	"	"	"
Brass, Bright.....Plated	9111	US3	5.00	6.00	7.00	8.90	11.50	16.40	22.60
Brass, Dull....."	9281	US4	"	"	"	"	"	"	"
Brass, Oxidized, Dull....."	9271	US5	"	"	"	"	"	"	"
Bronze, Bright....."	9131	US9	"	"	"	"	"	"	"
Bronze, Dull....."	9291	US10	"	"	"	"	"	"	"
Bronze, Oxidized, Dull....."	9231	US11	"	"	"	"	"	"	"
Statuary Bronze....."	9311	US20	"	"	"	"	"	"	"
Copper, Oxidized, Bright....."	9171	US8	"	"	"	"	"	"	"
*Zinc, Dull (Galvanized)....."	9391	US2G	"	"	"	"	"	"	"
Nickel, Bright....."	9211	US14	6.60	7.90	9.50	11.50	14.80	20.40	27.90
Nickel, Dull....."	9021	US15	"	"	"	"	"	"	"
Nickel, Sanded....."	9181N	US16	"	"	"	"	"	"	"
Brass, Oxidized, Sanded....."	9181OB	US6	"	"	"	"	"	"	"
Bronze, "....."	9181OBZ	US12	"	"	"	"	"	"	"
Statuary Bronze, "....."	9181SB	US21	"	"	"	"	"	"	"
Dull Black (Oxidized), Sanded... "	9161	US19	"	"	"	"	"	"	"
Bower Barff.....	9121	US18	7.90	9.50	11.40	13.80	17.80	24.50	33.50
Chromium, Bright.....Plated	9991	US26	See note						
Chromium, Dull....."	9981	US26D	"	"					
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.								
Brass Metal, Bright.....	9051	US3	\$13.20	\$15.00	\$18.40	\$22.80	\$29.00	\$39.00	\$52.90
Bronze "....."	9041	US9	"	"	"	"	"	"	"
Brass " Dull.....	9071	US4	14.60	16.80	20.30	25.00	31.90	42.90	57.90
Brass " Oxidized, Dull.....	9191	US5	"	"	"	"	"	"	"
Bronze " Dull.....	9061	US10	"	"	"	"	"	"	"
Bronze " Oxidized, Dull.....	9251	US11	"	"	"	"	"	"	"
Bronze " Statuary.....	9361	US20	"	"	"	"	"	"	"
Brass " Ox'd Copper.....Plated	9091	US8	"	"	"	"	"	"	"
Brass " Bright Nickel....."	9221	US14	"	"	"	"	"	"	"
Brass " Dull Nickel....."	9261	US15	"	"	"	"	"	"	"
Brass " Nickel, Sanded....."	9381N	US16	"	"	"	"	"	"	"
Brass " Ox'd, Sanded.....	9381OB	US6	"	"	"	"	"	"	"
Bronze " ".....	9381OBZ	US12	"	"	"	"	"	"	"
Bronze " Statuary, Sanded.....	9381SB	US21	"	"	"	"	"	"	"
Brass " Br't Chromium.....Plated	9401	US26	See note						
Brass " Dull Chromium.... "	9421	US26D	"	"					

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.

The finishes listed are standard. If a special finish is desired, send a sample or description.

Packed one pair in a box, with screws of same finish, tension adjuster and instructions for applying.

In ordering, always state "Number" and "Size."

Repair parts, pages 48, 49. Telegraph code, page 50. Table of weights, page 60. Detail drawing with measurements, page 55.



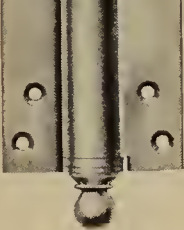
Chicago "Simplex" Spring Butt-Hinges

Single Acting

Type 9002

No Hanging Strip Required



	Length of Flange		INCHES						
			3	4	5	6	7	8	10
	For Doors		$\frac{3}{4}$ to 1	$\frac{7}{8}$ to $1\frac{1}{4}$	$1\frac{1}{8}$ to $1\frac{1}{2}$	$1\frac{1}{4}$ to $1\frac{3}{4}$	$1\frac{3}{8}$ to $1\frac{7}{8}$	$1\frac{3}{4}$ to 2	$1\frac{3}{4}$ to $2\frac{1}{2}$
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER PAIR						
Dead Black.....Japanned	9002	US1D	\$ 2.20	\$ 2.70	\$ 3.10	\$ 3.80	\$ 4.90	\$ 7.10	\$ 9.90
Primed.....For Painting	9012	USP	"	"	"	"	"	"	"
Brass, Bright.....Plated	9112	US3	2.90	3.60	4.20	5.30	6.90	9.90	13.50
Brass, Dull....."	9282	US4	"	"	"	"	"	"	"
Brass, Oxidized, Dull....."	9272	US5	"	"	"	"	"	"	"
Bronze, Bright....."	9132	US9	"	"	"	"	"	"	"
Bronze, Dull....."	9292	US10	"	"	"	"	"	"	"
Bronze, Oxidized, Dull....."	9232	US11	"	"	"	"	"	"	"
Statuary Bronze....."	9312	US20	"	"	"	"	"	"	"
Copper, Oxidized, Bright....."	9172	US8	"	"	"	"	"	"	"
*Zinc, Dull (Galvanized)....."	9392	US2G	"	"	"	"	"	"	"
Nickel, Bright....."	9212	US14	4.00	4.70	5.70	6.90	8.90	12.20	16.70
Nickel, Dull....."	9022	US15	"	"	"	"	"	"	"
Nickel, Sanded....."	9182N	US16	"	"	"	"	"	"	"
Brass, Oxidized, Sanded....."	9182OB	US6	"	"	"	"	"	"	"
Bronze " " "....."	9182OBZ	US12	"	"	"	"	"	"	"
Statuary Bronze, " " "....."	9182SB	US21	"	"	"	"	"	"	"
Dull Black (Oxidized), Sanded... "	9162	US19	"	"	"	"	"	"	"
Bower Barff.....	9122	US18	4.80	5.60	6.80	8.30	10.70	14.60	20.00
Chromium, Bright.....Plated	9992	US26	See	note					
Chromium, Dull....."	9982	US26D	"	"					
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.								
Brass Metal, Bright.....	9052	US3	\$ 7.30	\$ 8.90	\$10.80	\$13.70	\$17.40	\$23.40	\$31.70
Bronze " ".....	9042	US9	"	"	"	"	"	"	"
Brass " Dull.....	9072	US4	8.10	9.90	11.90	15.00	19.10	25.70	34.70
Brass " Oxidized, Dull.....	9192	US5	"	"	"	"	"	"	"
Bronze " Dull.....	9062	US10	"	"	"	"	"	"	"
Bronze " Oxidized, Dull.....	9252	US11	"	"	"	"	"	"	"
Bronze " Statuary.....	9362	US20	"	"	"	"	"	"	"
Brass " Ox'd Copper.....Plated	9092	US8	"	"	"	"	"	"	"
Brass " Bright Nickel....."	9222	US14	"	"	"	"	"	"	"
Brass " Dull Nickel....."	9262	US15	"	"	"	"	"	"	"
Brass " Nickel, Sanded....."	9382N	US16	"	"	"	"	"	"	"
Brass " Ox'd Sanded.....	9382OB	US6	"	"	"	"	"	"	"
Bronze " " ".....	9382OBZ	US12	"	"	"	"	"	"	"
Bronze " Statuary, Sanded.....	9382SB	US21	"	"	"	"	"	"	"
Brass " Br't Chromium.....Plated	9402	US26	See	note					
Brass " Dull Chromium....."	9422	US26D	"	"					

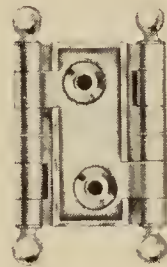
*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.
 For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.
 The finishes listed are standard. If a special finish is desired, send a sample or description.
 Packed one pair in a box, with screws of same finish, tension adjuster and instructions for applying.
 In ordering, always state "Number" and "Size."
 Single Acting Hinges, when so ordered, will be furnished with reverse acting springs to hold the door open.
 Repair parts, pages 48, 49. Telegraph code, page 50. Table of weights, page 60. Detail drawing with measurements, page 55.

Chicago Spring Butt-Hinge and Springless Butt-Hinge

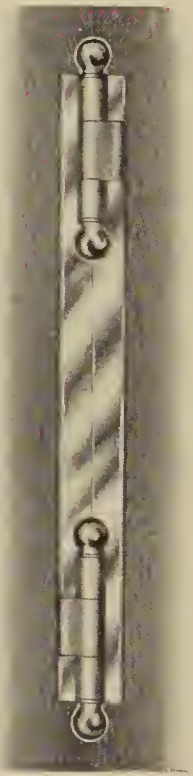
Double Acting



Type 1 1/2



Type 3 1/2



Type 1 1/2

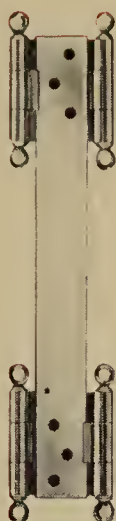
Spring Power for Heavy Service

The "Chicago" Spring Butt-Hinge is designed with a large powerful spring, which is concealed when the door is closed, and is especially recommended for large doors subject to heavy and frequent service. Although it has a large powerful spring the hinge presents a neat and finished appearance because the projections beyond the surface of the door are small.

When doors are narrow, and located inside, considerable economy will result from using one of these powerful spring hinges at the top and a springless hinge at the bottom. The spring hinge will prevent the door from sagging and will also provide ample spring power for closing it. Outside doors, subject to air pressure, should be hung with a pair of spring hinges.

A double acting hinge of this type is very desirable for outside doors, because it has two axis and great spring power, therefore the door offers resistance against air pressure when it is in closed position.

Narrow high doors do not require as much spring power as wide low doors of the same weight.



Chicago Spring Butt-Hinges

Double Acting

Type 1½

	Thickness of Door		INCHES					
			7/8 to 1	1 1/8 to 1 1/4	1 3/8 to 1 1/2	1 3/4 to 2	2 1/4 to 2 1/2	2 3/4 to 3
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER PAIR					
Dead Black Japanned	1 1/2	US1D	\$ 3.70	\$ 4.40	\$ 5.20	\$ 7.40	\$14.20	\$21.90
Brass, Bright Plated	111 1/2	US3	5.00	6.00	7.00	10.20	19.60	30.10
Brass, Dull “	281 1/2	US4	“	“	“	“	“	“
Brass, Oxidized, Dull “	271 1/2	US5	“	“	“	“	“	“
Bronze, Bright “	131 1/2	US9	“	“	“	“	“	“
Bronze, Dull “	291 1/2	US10	“	“	“	“	“	“
Bronze, Oxidized, Dull “	231 1/2	US11	“	“	“	“	“	“
Statuary Bronze “	311 1/2	US20	“	“	“	“	“	“
Copper, Oxidized, Bright “	171 1/2	US8	“	“	“	“	“	“
*Zinc, Dull (Galvanized) “	391 1/2	US2G	“	“	“	“	“	“
Nickel, Bright “	211 1/2	US14	6.60	7.90	9.50	13.20	24.20	36.00
Nickel, Dull “	21 1/2	US15	“	“	“	“	“	“
Nickel, Sanded “	181 1/2N	US16	“	“	“	“	“	“
Brass, Oxidized, Sanded “	181 1/2OB	US6	“	“	“	“	“	“
Bronze, “ “ “	181 1/2OBZ	US12	“	“	“	“	“	“
Statuary Bronze, “ “	181 1/2SB	US21	“	“	“	“	“	“
Dull Black (Oxidized), Sanded “	161 1/2	US19	“	“	“	“	“	“
Bower Barff “	121 1/2	US18	7.90	9.50	11.40	15.80	29.00	43.20
Chromium, Bright Plated	991 1/2	US26	See note	“	“	“	“	“
Chromium, Dull “	981 1/2	US26D	“	“	“	“	“	“
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.							
Brass Metal, Bright	51	US3	\$13.20	\$15.00	\$18.40	\$26.00	\$46.00	\$82.50
Bronze “ “	41	US9	“	“	“	“	“	“
Brass “ Dull	71	US4	14.60	16.80	20.30	28.40	50.40	88.70
Brass “ Oxidized, Dull	191	US5	“	“	“	“	“	“
Bronze “ Dull	61	US10	“	“	“	“	“	“
Bronze “ Oxidized, Dull	251	US11	“	“	“	“	“	“
Bronze “ Statuary	361	US20	“	“	“	“	“	“
Brass “ Oxidized Copper Plated	91	US8	“	“	“	“	“	“
Brass “ Bright Nickel “	221	US14	“	“	“	“	“	“
Brass “ Dull Nickel “	261	US15	“	“	“	“	“	“
Brass “ Nickel, Sanded “	381N	US16	“	“	“	“	“	“
Brass “ Oxidized, Sanded	381OB	US6	“	“	“	“	“	“
Bronze “ “ “	381OBZ	US12	“	“	“	“	“	“
Bronze “ Statuary, Sanded	381SB	US21	“	“	“	“	“	“
Brass “ Bright Chromium Plated	401	US26	See note	“	“	“	“	“
Brass “ Dull Chromium “	421	US26D	“	“	“	“	“	“

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.

The finishes listed are standard. If a special finish is desired, send a sample or description.

Packed one pair in a box, with screws of same finish, tension adjuster and instructions for applying.

In ordering, always state "Number" and "Size".

For list of Springless Butt-Hinges and of Spring and Springless Butt-Hinges in sets see pages 18 and 19.

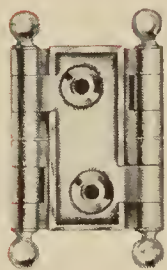
Brass and Bronze metal hinges are cast, with steel bushed bearings.

Repair parts, pages 48, 49. Telegraph code, page 50. Table of weights, page 60.

Chicago Springless Butt-Hinges

Double Acting

Type 3 1/2



	Thickness of Door		INCHES					
			$\frac{7}{8}$ to 1	$1\frac{1}{8}$ to $1\frac{1}{4}$	$1\frac{3}{8}$ to $1\frac{1}{2}$	$1\frac{3}{4}$ to 2	$2\frac{1}{4}$ to $2\frac{1}{2}$	$2\frac{3}{4}$ to 3
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER PAIR					
Dead Black.....Japanned	$3\frac{1}{2}$	US1D	\$ 1.90	\$ 2.20	\$ 2.60	\$ 3.70	\$ 7.10	\$10.90
Brass, Bright.....Plated	$113\frac{1}{2}$	US3	2.50	3.00	3.50	5.10	9.80	15.10
Brass, Dull....."	$283\frac{1}{2}$	US4	"	"	"	"	"	"
Brass, Oxidized, Dull....."	$273\frac{1}{2}$	US5	"	"	"	"	"	"
Bronze, Bright....."	$133\frac{1}{2}$	US9	"	"	"	"	"	"
Bronze, Dull....."	$293\frac{1}{2}$	US10	"	"	"	"	"	"
Bronze, Oxidized, Dull....."	$233\frac{1}{2}$	US11	"	"	"	"	"	"
Statuary Bronze....."	$313\frac{1}{2}$	US20	"	"	"	"	"	"
Copper, Oxidized, Bright....."	$173\frac{1}{2}$	US8	"	"	"	"	"	"
*Zinc, Dull (Galvanized)....."	$393\frac{1}{2}$	US2G	"	"	"	"	"	"
Nickel, Bright....."	$213\frac{1}{2}$	US14	3.30	4.00	4.80	6.60	12.10	18.00
Nickel, Dull....."	$23\frac{1}{2}$	US15	"	"	"	"	"	"
Nickel, Sanded....."	$183\frac{1}{2}$ N	US16	"	"	"	"	"	"
Brass, Oxidized, Sanded....."	$183\frac{1}{2}$ OB	US6	"	"	"	"	"	"
Bronze, Oxidized, "....."	$183\frac{1}{2}$ OBZ	US12	"	"	"	"	"	"
Statuary Bronze, "....."	$183\frac{1}{2}$ SB	US21	"	"	"	"	"	"
Dull Black (Oxidized), Sanded....."	$163\frac{1}{2}$	US19	"	"	"	"	"	"
Bower Barff.....	$123\frac{1}{2}$	US18	4.00	4.80	5.80	7.90	14.50	21.60
Chromium, Bright.....Plated	$993\frac{1}{2}$	US26	See	note				
Chromium, Dull....."	$983\frac{1}{2}$	US26D	"	"				
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.							
Brass Metal, Bright.....	53	US3	\$ 6.60	\$ 7.50	\$ 9.20	\$13.00	\$23.00	\$41.20
Bronze "....."	43	US9	"	"	"	"	"	"
Brass " Dull....."	73	US4	7.30	8.40	10.20	14.20	25.20	44.30
Brass " Oxidized, Dull....."	193	US5	"	"	"	"	"	"
Bronze " Dull....."	63	US10	"	"	"	"	"	"
Bronze " Oxidized, Dull....."	253	US11	"	"	"	"	"	"
Bronze " Statuary....."	363	US20	"	"	"	"	"	"
Brass " Oxidized Copper.....Plated	93	US8	"	"	"	"	"	"
Brass " Bright Nickel....."	223	US14	"	"	"	"	"	"
Brass " Dull Nickel....."	263	US15	"	"	"	"	"	"
Brass " Nickel, Sanded....."	383N	US16	"	"	"	"	"	"
Brass " Oxidized, Sanded....."	383OB	US6	"	"	"	"	"	"
Bronze " "....."	383OBZ	US12	"	"	"	"	"	"
Bronze " Statuary, Sanded....."	383SB	US21	"	"	"	"	"	"
Brass " Bright Chromium.....Plated	403	US26	See	note				
Brass " Dull Chromium....."	423	US26D	"	"				

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.

The finishes listed are standard. If a special finish is desired, send a sample or description.

Packed one pair in a box, with screws of same finish and instructions for applying.

In ordering, always state "Number" and "Size."

For list of Chicago Spring Butt-Hinges, see page 17.

The Brass and Bronze metal hinges are cast.

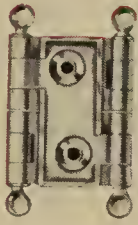
Repair parts, pages 48, 49. Telegraph code, page 50. Table of weights, page 60.

TRADE **CHICAGO** MARK

SPRING HINGES



Type 1 1/2



Type 3 1/2

Chicago Spring and Springless Butt-Hinges

Double Acting

Type 1 1/2 and 3 1/2

			INCHES					
			Thickness of Door					
			7/8 to 1	1 1/8 to 1 1/4	1 3/8 to 1 1/2	1 3/4 to 2	2 1/4 to 2 1/2	2 3/4 to 3
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER SET					
Dead Black.....Japanned	1 1/2-3 1/2	US1D	\$ 2.80	\$ 3.30	\$ 3.90	\$ 5.60	\$10.70	\$16.40
Brass, Bright.....Plated	111 1/2-113 1/2	US3	3.80	4.50	5.30	7.70	14.70	22.60
Brass, Dull....."	281 1/2-283 1/2	US4	"	"	"	"	"	"
Brass, Oxidized, Dull....."	271 1/2-273 1/2	US5	"	"	"	"	"	"
Bronze, Bright....."	131 1/2-133 1/2	US9	"	"	"	"	"	"
Bronze, Dull....."	291 1/2-293 1/2	US10	"	"	"	"	"	"
Bronze, Oxidized, Dull....."	231 1/2-233 1/2	US11	"	"	"	"	"	"
Statuary Bronze....."	311 1/2-313 1/2	US20	"	"	"	"	"	"
Copper, Oxidized, Bright....."	171 1/2-173 1/2	US8	"	"	"	"	"	"
*Zinc, Dull (Galvanized)....."	391 1/2-393 1/2	US2G	"	"	"	"	"	"
Nickel, Bright....."	211 1/2-213 1/2	US14	5.00	6.00	7.20	9.90	18.20	27.00
Nickel, Dull....."	21 1/2-23 1/2	US15	"	"	"	"	"	"
Nickel, Sanded....."	181 1/2N-183 1/2N	US16	"	"	"	"	"	"
Brass, Oxidized, Sanded....."	181 1/2OB-183 1/2OB	US6	"	"	"	"	"	"
Bronze, Oxidized "....."	181 1/2OBZ-183 1/2OBZ	US12	"	"	"	"	"	"
Statuary Bronze, "....."	181 1/2SB-183 1/2SB	US21	"	"	"	"	"	"
Dull Black (Oxidized), Sanded....."	161 1/2-163 1/2	US19	"	"	"	"	"	"
Bower Barff.....	121 1/2-123 1/2	US18	6.00	7.20	8.60	11.90	21.80	32.40
Chromium, Bright.....Plated	991 1/2-993 1/2	US26	See note	"	"	"	"	"
Chromium, Dull....."	981 1/2-983 1/2	US26D	"	"	"	"	"	"
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.							
Brass Metal, Bright.....	51-53	US3	\$ 9.90	\$11.30	\$13.80	\$19.50	\$34.50	\$61.90
Bronze "....."	41-43	US9	"	"	"	"	"	"
Brass " Dull.....	71-73	US4	11.00	12.60	15.30	21.30	37.80	66.50
Brass " Oxidized, Dull.....	191-193	US5	"	"	"	"	"	"
Bronze " Dull.....	61-63	US10	"	"	"	"	"	"
Bronze " Oxidized, Dull.....	251-253	US11	"	"	"	"	"	"
Bronze " Statuary.....	361-363	US20	"	"	"	"	"	"
Brass " Oxidized Copper Plated	91-93	US8	"	"	"	"	"	"
Brass " Bright Nickel...."	221-223	US14	"	"	"	"	"	"
Brass " Dull Nickel....."	261-263	US15	"	"	"	"	"	"
Brass " Nickel, Sanded.."	381N-383N	US16	"	"	"	"	"	"
Brass " Oxidized, Sanded.....	381OB-383OB	US6	"	"	"	"	"	"
Bronze " "....."	381OBZ-383OBZ	US12	"	"	"	"	"	"
Bronze " Statuary, Sanded.....	381SB-383SB	US21	"	"	"	"	"	"
Brass " Br't Chromium..Plated	401-403	US26	See note	"	"	"	"	"
Brass " Dull Chromium....."	421-423	US26D	"	"	"	"	"	"

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.

The finishes listed are standard. If a special finish is desired, send a sample or description.

Packed one set in a box, with screws of same finish and instructions for applying.

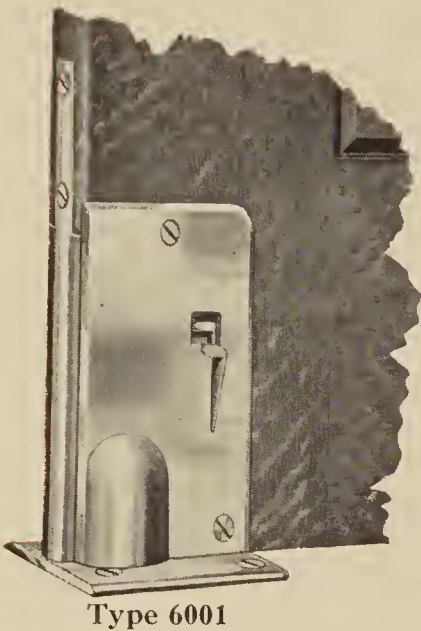
In ordering, always state "Number" and "Size."

The brass and bronze metal hinges are cast.

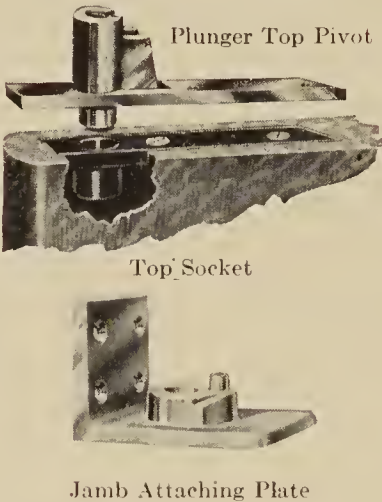
Repair parts, pages 48, 49. Telegraph code, page 50. Table of weights, page 60.

Chicago "Relax" Spring Pivot-Hinge

Ball-Bearing



Type 6001



Double Acting
Type 6001



Type 6001

Thickness of Door			INCHES		
			1 1/8 to 1 1/2	1 1/2 to 2	1 3/4 to 2 3/4
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER SET		
Dead Black.....Japanned	6001	US1D	\$ 4.30	\$ 6.50	\$ 9.90
Brass, Bright.....Plated	6111	US3	6.50	9.60	14.20
Brass, Dull....."	6281	US4	"	"	"
Brass, Ox'd, Dull....."	6271	US5	"	"	"
Bronze, Bright....."	6131	US9	"	"	"
Bronze, Dull....."	6291	US10	"	"	"
Bronze, Ox'd, Dull....."	6231	US11	"	"	"
Statuary Bronze....."	6311	US20	"	"	"
Copper, Ox'd, Bright...."	6171	US8	"	"	"
*Zinc, Dull (Galvanized) ."	6391	US2G	"	"	"
Nickel, Bright....."	6211	US14	7.70	11.40	17.00
Nickel, Dull....."	6021	US15	"	"	"
Nickel, Sanded....."	6181N	US16	"	"	"
Brass, Ox'd, Sanded...."	6181OB	US6	"	"	"
Bronze, Ox'd, Sanded..."	6181OBZ	US12	"	"	"
Statuary Bronze, Sanded. "	6181SB	US21	"	"	"
Dull Blk. (Ox'd), Sanded. "	6161	US19	"	"	"
Bower Barff.....	6121	US18	8.50	12.50	18.70
Chromium, Bright.....Plated	6991	US26	See note		
Chromium, Dull....."	6981	US26D	"	"	
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.				
Brass Metal, Bright.....	6051	US3	\$10.80	\$16.30	\$24.40
Bronze "....."	6041	US9	"	"	"
Brass " Dull....."	6071	US4	12.00	18.00	26.90
Brass " Oxidized, Dull...."	6191	US5	"	"	"
Bronze " Dull....."	6061	US10	"	"	"
Bronze " Oxidized, Dull...."	6251	US11	"	"	"
Bronze " Statuary....."	6361	US20	"	"	"
Brass " Ox'd Cop'r. Plated	6091	US8	"	"	"
Brass " Br't Nickel "....."	6221	US14	"	"	"
Brass " Dull Nickel "....."	6261	US15	"	"	"
Brass " Nkl., Sanded, "....."	6381N	US16	"	"	"
Brass " Ox'd, Sanded...."	6381OB	US6	"	"	"
Bronze " "....."	6381OBZ	US12	"	"	"
Bronze " Statuary, Sanded. "	6381SB	US21	"	"	"
Brass " Br't. Chrom. Pltd. "	6401	US26	See note		
Brass " Dull "....."	6421	US26D	"	"	

Release Spring Action

The Chicago "Relax" Spring Pivot-Hinge has a spring action release whereby the door may be placed open at any desired position.

This feature eliminates the tendency of the spring to lose its power as a result of remaining fixed at high tension when doors are held open by door holders.

By stepping on the lever, which is in a recess of the side plate, the spring action disengages and the door remains open wherever it is placed. Whenever the door passes over the closed position, the spring action automatically re-engages. The "Relax" surpasses all other pivot type hinges for quality, quietness and satisfactory service.

The construction is very substantial with ball-bearings to carry the weight of the door. The spring is large and has a tension adjustment. The application is very simple and economical.

The "Plunger Top Pivot" is always furnished with this hinge, permitting the door to be readily taken down without removing screws and allowing full clearance of doorway.

When Jamb Attaching Plates are desired, for use in connection with concrete or tile floors, add 15% to list price and prefix letter "J" to number specified.

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.

The finishes listed are standard. If a special finish is desired, send a sample or description.

Packed one set in a box, with screws of same finish, tension adjuster and instructions for applying.

In ordering, always state "Number" and "Size."

Repair parts, pages 48, 49. Telegraph code, page 51. Table of Weights, page 60. Detail drawing with measurements, page 56.

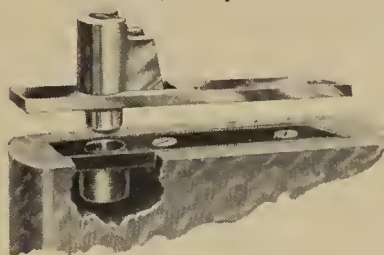
Chicago "Silentex" Spring Pivot-Hinge

Ball-Bearing

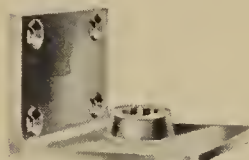
Plunger Top Pivot



Type 16001



Top Socket



Jamb Attaching Plate

Double Acting Type 16001



Type 16001

Thickness of Door

INCHES

1 1/8 to 1 1/2	1 1/2 to 2	1 3/4 to 2 3/4
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STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER SET		
Dead Black.....Japanned	16001	US1D	\$ 5.40	\$ 6.80	\$ 8.80
Brass, Bright.....Plated	16111	US3	6.60	8.10	10.60
Brass, Dull.....	16281	US4	"	"	"
Brass, Ox'd, Dull.....	16271	US5	"	"	"
Bronze, Bright.....	16131	US9	"	"	"
Bronze, Dull.....	16291	US10	"	"	"
Bronze, Ox'd, Dull.....	16231	US11	"	"	"
Statuary Bronze.....	16311	US20	"	"	"
Copper, Ox'd, Bright...	16171	US8	"	"	"
*Zinc, Dull (Galvanized)...	16391	US2G	"	"	"
Nickel, Bright.....	16211	US14	7.30	9.20	12.00
Nickel, Dull.....	16021	US15	"	"	"
Nickel, Sanded.....	16181N	US16	"	"	"
Brass, Ox'd, Sanded....	16181OB	US6	"	"	"
Bronze, Ox'd, Sanded...	16181OBZ	US12	"	"	"
Statuary Bronze, Sanded	16181SB	US21	"	"	"
Dull Blk. (Ox'd) Sanded.	16161	US19	"	"	"
Bower Barff.....	16121	US18	8.70	11.00	14.30
Chromium, Bright.....Plated	16991	US26	See	note	
Chromium, Dull.....	16981	US26D	"	"	
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.				
Brass Metal, Bright.....	16051	US3	\$ 8.00	\$10.60	\$13.80
Bronze ".....	16041	US9	"	"	"
Brass " Dull.....	16071	US4	9.10	11.30	14.80
Brass " Oxidized, Dull....	16191	US5	"	"	"
Bronze " Dull.....	16061	US10	"	"	"
Bronze " Oxidized, Dull....	16251	US11	"	"	"
Bronze " Statuary.....	16361	US20	"	"	"
Brass " Ox'd, Cop'r Plated	16091	US8	"	"	"
Brass " Br't Nickel. "	16221	US14	"	"	"
Brass " Dull Nickel "	16261	US15	"	"	"
Brass " Nkl., Sanded, "	16381N	US16	"	"	"
Brass " Ox'd, Sanded.....	16381OB	US6	"	"	"
Bronze " ".....	16381OBZ	US12	"	"	"
Bronze " Statuary, Sanded.	16381SB	US21	"	"	"
Brass " Br't. Chrom. Pltd.	16401	US26	See	note	
Brass " Dull " "	16421	US26D	"	"	

Silent Spring Action

The Chicago "Silentex" Spring Pivot-Hinge has the same general design and construction as the "Relax" (Type 6001). It does not have the spring action release feature which permits placing the door open at any desired position.

Under certain conditions it may be more desirable to use this hinge which has no release or hold open feature.

This hinge has ball-bearings to carry the weight of the door, a tension adjustment and operates quietly, slowly and with few oscillations.

The "Plunger Top Pivot" is always furnished with this hinge, permitting greater ease in applying and fitting the door with a minimum space between the top of the door and casing.

When Jamb Attaching Plates are desired, for use in connection with concrete or tile floors, add 15% to list price and prefix letter "J" to number specified.

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.

The finishes listed are standard. If a special finish is desired, send a sample or description.

Packed one set in a box, with screws of same finish, tension adjuster and instructions for applying.

In ordering, always state "Number" and "Size."

Telegraph code, page 51. Table of weights, page 60. (Indicated as Non Release, Type NR6001).

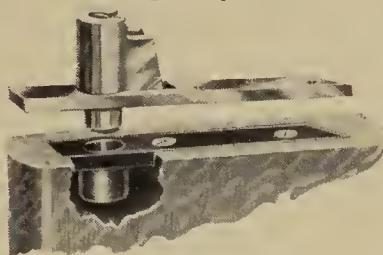
Chicago "Non-Release" Spring Pivot-Hinge

Ball-Bearing

Plunger Top Pivot



Type NR6001



Top Socket



Jamb Attaching Plate

Double Acting Type NR6001



Type NR6001

Thickness of Door			INCHES		
			1 1/8 to 1 1/2	1 1/2 to 2	1 3/4 to 2 3/4
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER SET		
Dead Black.....Japanned	NR6001	US1D	\$ 3.90	\$ 5.90	\$ 8.90
Brass, Bright.....Plated	NR6111	US3	5.90	8.60	12.80
Brass, Dull.....	NR6281	US4	"	"	"
Brass, Ox'd, Dull.....	NR6271	US5	"	"	"
Bronze, Bright.....	NR6131	US9	"	"	"
Bronze, Dull.....	NR6291	US10	"	"	"
Bronze, Ox'd, Dull.....	NR6231	US11	"	"	"
Statuary Bronze.....	NR6311	US20	"	"	"
Copper, Ox'd, Bright...	NR6171	US8	"	"	"
*Zinc, Dull (Galvanized)...	NR6391	US20	"	"	"
Nickel, Bright.....	NR6211	US14	6.90	10.30	13.30
Nickel, Dull.....	NR6021	US15	"	"	"
Nickel, Sanded.....	NR6181N	US16	"	"	"
Brass, Ox'd, Sanded....	NR6181OB	US6	"	"	"
Bronze, Ox'd, Sanded...	NR6181OBZ	US12	"	"	"
Statuary Bronze, Sanded	NR6181SB	US21	"	"	"
Dull Blk. (Ox'd) Sanded.	NR6161	US19	"	"	"
Bower Barff.....	NR6121	US18	7.60	11.30	16.80
Chromium, Bright.....Plated	NR6991	US26	See note	"	"
Chromium, Dull.....	NR6981	US26D	"	"	"
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.				
Brass Metal, Bright.....	NR6051	US3	\$ 9.70	\$14.70	\$22.00
Bronze ".....	NR6041	US9	"	"	"
Brass " Dull.....	NR6071	US4	10.80	16.20	24.20
Brass " Oxidized, Dull....	NR6191	US5	"	"	"
Bronze " Dull.....	NR6061	US10	"	"	"
Bronze " Oxidized, Dull....	NR6251	US11	"	"	"
Bronze " Statuary.....	NR6361	US20	"	"	"
Brass " Ox'd, Cop'r Plated	NR6091	US8	"	"	"
Brass " Br't Nickel. "	NR6221	US14	"	"	"
Brass " Dull Nickel. "	NR6261	US15	"	"	"
Brass " Nkl., Sanded, "	NR6381N	US16	"	"	"
Brass " Ox'd, Sanded.....	NR6381OB	US6	"	"	"
Bronze " ".....	NR6381OBZ	US12	"	"	"
Bronze " Statuary, Sanded.	NR6381SB	US21	"	"	"
Brass " Br't. Chrom. Pltd.	NR6401	US26	See note	"	"
Brass " Dull ".....	NR6421	US26D	"	"	"

Telegraph code, page 51. Table of weights, page 60.

"Non-Release" Spring Action

The Chicago "Non-Release" Spring Pivot-Hinge has the same general design and construction as the "Relax" (Type 6001). It does not have the spring action release feature which permits placing the door open at any desired position.

Under certain conditions it may be more desirable to use this hinge which has no release or hold open feature.

This hinge has ball-bearings to carry the weight of the door, a tension adjustment and is extremely quiet in operation.

The "Plunger Top Pivot" is always furnished with this hinge, permitting the door to be readily taken down without removing screws and allowing full clearance of doorway.

When Jamb Attaching Plates are desired, for use in connection with concrete or tile floors, add 15% to list price and prefix letter "J" to number specified.

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.

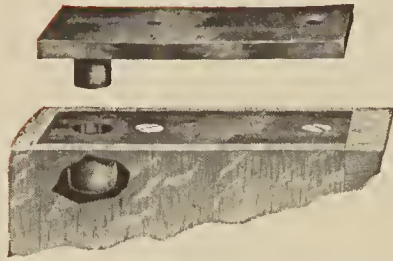
The finishes listed are standard. If a special finish is desired, send a sample or description.

Packed one set in a box, with screws of same finish, tension adjuster and instructions for applying.

In ordering, always state "Number" and "Size."

Chicago "Premier" Spring Pivot-Hinge

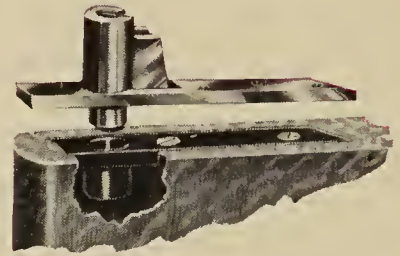
Ball-Bearing



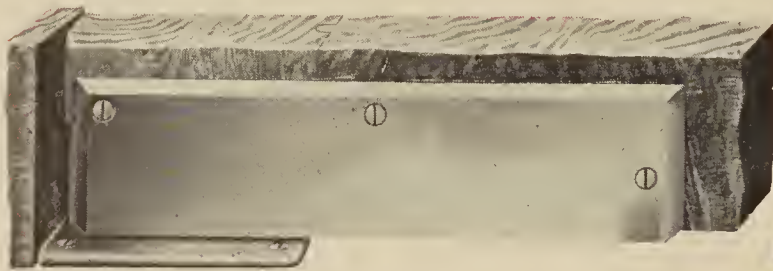
Standard Top Pivot and Socket



Jamb Attaching Plate
Part of Type J4001 Hinge
(Not supplied separately)



Plunger Top Pivot and Socket
(See Note Below)



Type 4001



Type 4001

Hold Open Type

Double Acting

The Chicago "Premier" Spring Pivot-Hinge is truly a leader in its class, and has acquired this distinction by reason of the important features described below.

When the door is opened to 90 degrees, this hinge holds it in that position. Important features of this hinge are an eccentric equipped with hardened steel roller-bearings, a drop-forged piston and a simple but positive alignment device.

Compression springs have greater durability and efficiency when made of flat wire of the best grade of tempered steel. This type of spring is therefore used in the "Premier" and is provided with a tension adjustment.

A simple device has been provided for aligning the door after applying the hinge. It is a practical and efficient adjustment controlled by a single screw which is conveniently located and easily accessible.

Application of the "Premier" to the bottom of the door is very simple and requires only a rectangular mortise cut. For concrete or tile floors this hinge can be supplied with a jamb attaching plate, Type J4001. See foot note on following page.

Note:—When so specified this hinge will be supplied with "Plunger Top Pivot" permitting greater ease of application. For price see note on following page.

Chicago "Premier" Spring Pivot-Hinges

Double Acting

Type 4001

Illustrations and Description, Page 22	Thickness of Door		INCHES	
			1 1/8 ‡ to 1 3/4	1 3/4 to 2 3/4
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER SET	
Dead Black.....Japanned	4001	US1D	\$ 3.60	\$ 5.40
Brass, Bright.....Plated	4111	US3	4.40	6.20
Brass, Dull....."	4281	US4	"	"
Brass, Oxidized, Dull....."	4271	US5	"	"
Bronze, Bright....."	4131	US9	"	"
Bronze, Dull....."	4291	US10	"	"
Bronze, Oxidized, Dull....."	4231	US11	"	"
Statuary Bronze....."	4311	US20	"	"
Copper, Oxidized, Bright....."	4171	US8	"	"
*Zinc, Dull (Galvanized)....."	4391	US2G	"	"
Nickel, Bright....."	4211	US14	5.10	6.90
Nickel, Dull....."	4021	US15	"	"
Nickel, Sanded....."	4181N	US16	"	"
Brass, Oxidized, Sanded....."	4181OB	US6	"	"
Bronze " "....."	4181OBZ	US12	"	"
Statuary Bronze, "....."	4181SB	US21	"	"
Dull Black (Oxidized), Sanded....."	4161	US19	"	"
Bower Barff.....	4121	US18	5.60	7.60
Chromium, Bright.....Plated	4991	US26	See	note
Chromium, Dull....."	4981	US26D	"	"
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.			
Brass Metal, Bright.....	4051	US3	\$ 9.00	\$10.80
Bronze " ".....	4041	US9	"	"
Brass " Dull.....	4071	US4	10.00	11.80
Brass " Oxidized, Dull.....	4191	US5	"	"
Bronze " Dull.....	4061	US10	"	"
Bronze " Oxidized, Dull.....	4251	US11	"	"
Bronze " Statuary.....	4361	US20	"	"
Brass " Oxidized Copper.....Plated	4091	US8	"	"
Brass " Bright Nickel....."	4221	US14	"	"
Brass " Dull Nickel....."	4261	US15	"	"
Brass " Nickel, Sanded....."	4381N	US16	"	"
Brass " Oxidized, Sanded.....	4381OB	US6	"	"
Bronze " " ".....	4381OBZ	US12	"	"
Bronze " Statuary, Sanded.....	4381SB	US21	"	"
Brass " Bright Chromium.....Plated	4401	US26	See	note
Brass " Dull Chromium....."	4421	US26D	"	"

When so specified this hinge will be supplied with "Plunger Top Pivot" permitting greater ease of application. The price is 10% added to list price.

When Jamb Attaching Plates are desired, for use in connection with concrete or tile floors, add 15% to list price and prefix letter "J" to number specified. These jamb attaching plates are part of the hinge and cannot be supplied separately.

‡Size 1 1/8 to 1 3/4 is furnished with reversible side plates.

*For plated finishes over Zinc Plated finish, add 10% to the list price of finish wanted.

For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.

The finishes listed are standard. If a special finish is desired, send a sample or description.

Packed one set in a box, with screws of same finish, tension adjuster and instructions for applying.

In ordering, always state "Number" and "Size".

Telegraph code, page 51. Table of weights, page 60.

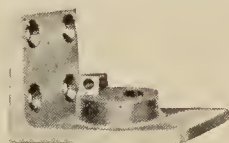
Detail drawing with measurements, page 57.

Chicago "Ajax" Spring Pivot-Hinges

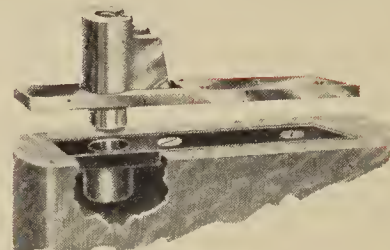
Ball-Bearing Reversible Side Plates



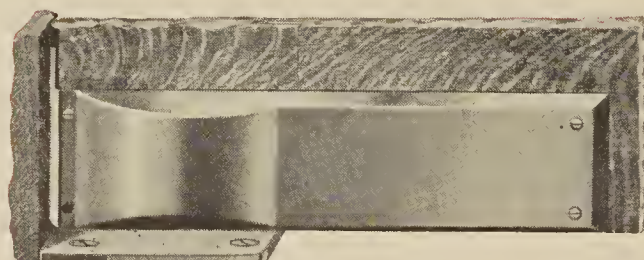
Standard Top Pivot
and Socket



Jamb Attaching Plate
Part of J3001 Hinge
(Not supplied separately)



Plunger Top Pivot and Socket
(See Note Below)



Double Acting Type 3001

Thickness of Door			INCHES 1 1/8 to 1 3/4
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER SET
Dead Black.....Japanned	3001	US1D	\$ 2.40
Brass, Bright.....Plated	3111	US3	2.50
Brass, Dull....."	3281	US4	"
Brass, Oxidized, Dull....."	3271	US5	"
Bronze, Bright....."	3131	US9	"
Bronze, Dull....."	3291	US10	"
Bronze, Oxidized, Dull...."	3231	US11	"
Statuary Bronze....."	3311	US20	"
Copper, Oxidized, Bright.."	3171	US8	"
*Zinc, Dull (Galvanized)...	3391	US2G	"
Nickel, Bright....."	3211	US14	3.20
Nickel, Dull....."	3021	US15	"
Nickel, Sanded....."	3181N	US16	"
Brass, Oxidized, Sanded...	3181OB	US6	"
Bronze, " " " " " " " "	3181OBZ	US12	"
Statuary Bronze, " " " " " "	3181SB	US21	"
Dull Black (Ox'd), " " " " " "	3161	US19	"
Bower Barff.....	3121	US18	3.80
Chromium, Bright.....Plated	3991	US26	See note
Chromium, Dull....."	3981	US26D	" "
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.		
Brass Metal, Bright.....	3051	US3	\$ 5.20
Bronze " " " " " " " "	3041	US9	"
Brass " Dull.....	3071	US4	5.60
Brass " Oxidized, Dull.....	3191	US5	"
Bronze " Dull.....	3061	US10	"
Bronze " Oxidized, Dull.....	3251	US11	"
Bronze " Statuary.....	3361	US20	"
Brass " Ox'd Copper Plated	3091	US8	"
Brass " Bright Nickel " " "	3221	US14	"
Brass " Dull Nickel.. " " "	3261	US15	"
Brass " Nickel, Sanded, " " "	3381N	US16	"
Brass " Oxidized, Sanded... " " "	3381OB	US6	"
Bronze " " " " " " " "	3381OBZ	US12	"
Bronze " Statuary, " " " " " "	3381SB	US21	"
Brass " Br't. Chrom..Plated	3401	US26	See note
Brass " Dull Chrom.. " " "	3421	US26D	" "

Hold Open Type

When the door is opened to 90 degrees, this hinge holds it in that position. The weight of the door is carried on ball-bearings which are located at the top of the hinge, away from moisture and dust. The eccentric has roller-bearings.

The alignment device is simple, positive and readily accessible. It is operated by turning a single screw which eliminates any possibility of difficulty from this feature.

When Jamb Attaching Plates are desired, for use in connection with concrete or tile floors, add 15% to list price and prefix letter "J" to number ordered. These plates are a part of the hinge and cannot be supplied separately for regular hinges.

When so specified this hinge will be supplied with "Plunger Top Pivot" permitting greater ease of application. The price is 10% added to list price.

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.

The finishes listed are standard. If a special finish is desired, send a sample or description.

Packed one set in a box, with screws of same finish, tension adjuster and instructions for applying.

In ordering, always state "Number." Telegraph code, page 51.

Table of weights, page 60.

Detail drawing with measurements, page 57.

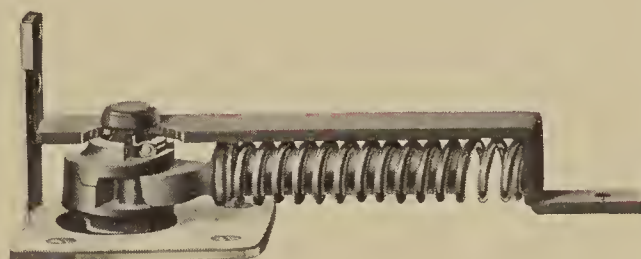
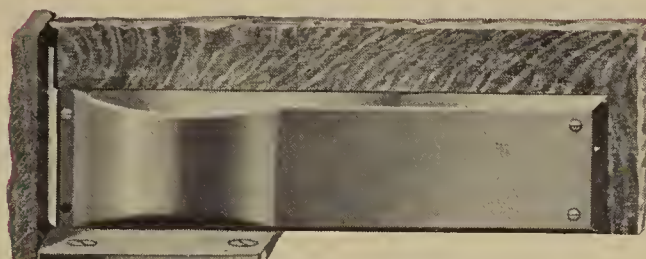
TRADE **CHICAGO** MARK

SPRING HINGES

Chicago "Eight Thousand" Spring Pivot-Hinges

Ball-Bearing

Reversible Side Plates



Double Acting Type 8001

Thickness of Door			INCHES 1 1/8 to 1 3/4
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER SET
Dead Black.....Japanned	8001	US1D	\$ 1.90
Brass, Bright.....Plated	8111	US3	2.00
Brass, Dull....."	8281	US4	"
Brass, Oxidized, Dull....."	8271	US5	"
Bronze, Bright....."	8131	US9	"
Bronze, Dull....."	8291	US10	"
Bronze, Oxidized, Dull....."	8231	US11	"
Statuary Bronze....."	8311	US20	"
Copper, Oxidized, Bright..	8171	US8	"
*Zinc, Dull (Galvanized)...	8391	US2G	"
Nickel, Bright....."	8211	US14	2.30
Nickel, Dull....."	8021	US15	"
Nickel, Sanded....."	8181N	US16	"
Brass, Oxidized, Sanded...	8181OB	US6	"
Bronze, " " " " " "	8181OBZ	US12	"
Statuary Bronze, " " " "	8181SB	US21	"
Dull Black (Ox'd), " " " "	8161	US19	"
Chromium, Bright....."	8991	US26	See note
Chromium, Dull....."	8981	US26D	" "
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.		
Brass Metal, Bright.....	8051	US3	\$ 4.80
Bronze " " " " " "	8041	US9	"
Brass " Dull.....	8071	US4	5.20
Brass " Oxidized, Dull.....	8191	US5	"
Bronze " Dull.....	8061	US10	"
Bronze " Oxidized, Dull.....	8251	US11	"
Bronze " Statuary.....	8361	US20	"
Brass " Ox'd Copper. Plated	8091	US8	"
Brass " Bright Nickel " "	8221	US14	"
Brass " Dull Nickel " " "	8261	US15	"
Brass " Nkl., Sanded, " "	8381N	US16	"
Brass " Oxidized, Sanded...	8381OB	US6	"
Bronze " " " " " " "	8381OBZ	US12	"
Bronze " Statuary, " " " "	8381SB	US21	"
Brass " Brt. Chrom. . Plated	8401	US26	See note
Brass " Dull Chrom. . " "	8421	US26D	" "

Hold Open Type

When the door is opened to 90 degrees, this hinge holds it in that position. The weight of the door is carried on ball-bearings which are located at the top of the hinge, away from moisture and dust.

The floor plate is unusually substantial, being made of heavy metal and covered with a planished steel finishing plate.

This spring hinge is substantially constructed and is suitable where economy is necessary.

For a hinge with adjustable tension, alignment device, roller-bearings or jamb attaching plates, we recommend the "Premier" or "Ajax" Spring Pivot-Hinge. See pages 22, 23 and 24.

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.

The finishes listed are standard. If a special finish is desired, send a sample or description.

In ordering, always state "Number."

Telegraph code, page 51.

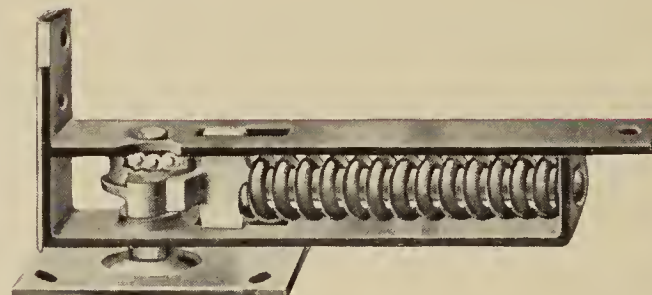
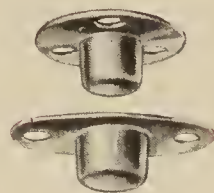
Table of weights, page 60.

Standard packing; 25 sets in a case, one set in a box with screws of same finish and instructions for applying.

Chicago "Durex" Spring Pivot-Hinges

Ball-Bearing

Reversible Side Plates



Double Acting

Type 17001

Thickness of Door			INCHES 1 1/8 to 1 3/4
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER SET
Dead Black.....Japanned	17001	US1D	\$ 1.60
Brass, Bright.....Plated	17111	US3	1.70
Brass, Dull....."	17281	US4	"
Bronze, Bright....."	17131	US9	"
Bronze, Dull....."	17291	US10	"
Copper, Oxidized, Bright....."	17171	US8	"
*Zinc, Dull (Galvanized)....."	17391	US2G	"
Nickel, Bright....."	17211	US14	2.00
Nickel, Dull....."	17021	US15	"
Brass, Oxidized, Sanded....."	17181OB	US6	"

Hold Open Type

When the door is opened to 90 degrees this hinge holds it in that position. At an open position of approximately 95 degrees the hold-open feature is most rigid.

Ball-bearings, which are located at the top of the hinge away from moisture and dust, carry the weight of the door and also protect the bearings in the frame from the thrust of the spring.

The compression spring is made of tempered steel wire.

An alignment feature is provided by means of slotted screw holes in the floor plate, so that the position of the door may be adjusted to align with the door casing.

Top pivot and socket supplied with this hinge are made of wrought metal and the attaching part is thin enough so that it is not necessary to mortise the top pivot into the casing or the attaching part of the socket into the door. If desired, however, a mortise cut for the top pivot may be quickly made with a bit.

Reversible, beveled side plates are supplied and may be applied to either side of the door. This is convenient when different finishes are required to match other hardware in the rooms on either side of the door. In many instances this feature permits using stock goods where a combination finish is required.

For a hinge with adjustable tension, roller-bearings or jamb attaching plate, we recommend the "Premier" or "Ajax" Spring Pivot-Hinge (See pages 22, 23 and 24).

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

The finishes listed are standard.

Standard packing; 25 sets in a case, one set in a box with screws of same finish and instructions for applying.

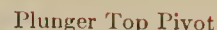
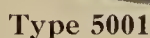
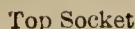
In ordering always state "Number".

Telegraph code, page 51. Table of weights, page 60.

TRADE **CHICAGO** MARK

SPRING HINGES

Ball-Bearing Floor Mortise Type



The "Chicago" Spring Pivot-Hinge is mortised into the floor, thereby avoiding a mortise cut in the door for the mechanism, and permitting the use of a spring with large diameter.

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.

The finishes listed are standard. If a special finish is desired, send a sample or description.

Packed one set in a box, with screws of same finish, tension adjuster and instructions for applying.

In ordering, always state "Number" and "Size."

Repair parts, pages 48, 49.

Telegraph code, page 51.

Table of weights, page 60.

When floors are concrete or tile, it is advisable to imbed a metal box into which the hinge is held by machine screws.



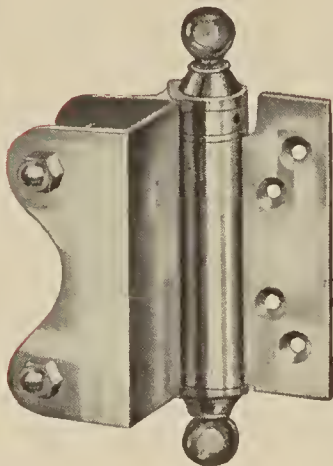
Price, Each

$\frac{7}{8}$ to $1\frac{1}{2}$	\$2.00
$1\frac{3}{8}$ to 2	3.00
2 to $2\frac{1}{2}$	4.00
$2\frac{1}{2}$ to $3\frac{1}{2}$	4.00

Thickness of Door			INCHES			
			$\frac{7}{8}$ to $1\frac{1}{2}$	$1\frac{3}{8}$ to 2	2 to $2\frac{1}{2}$	$2\frac{1}{2}$ to $3\frac{1}{2}$
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER SET			
Dead Black Japanned	5001	US1D	\$ 3.90	\$ 5.80	\$ 8.90	\$ 9.70
Brass, Bright Plated	5111	US3	5.80	8.60	12.70	14.00
Brass, Dull "	5281	US4	"	"	"	"
Brass, Ox'd, Dull "	5271	US5	"	"	"	"
Bronze, Bright "	5131	US9	"	"	"	"
Bronze, Dull "	5291	US10	"	"	"	"
Bronze, Ox'd, Dull "	5231	US11	"	"	"	"
Statuary Bronze "	5311	US20	"	"	"	"
Copper, Ox'd, Bright "	5171	US8	"	"	"	"
*Zinc, Dull (Galvanized) "	5391	US2G	"	"	"	"
Nickel, Bright "	5211	US14	6.90	10.30	15.30	16.80
Nickel, Dull "	5021	US15	"	"	"	"
Nickel, Sanded "	5181N	US16	"	"	"	"
Brass, Ox'd, Sanded "	5181OB	US6	"	"	"	"
Bronze, Ox'd, Sanded "	5181OBZ	US12	"	"	"	"
Statuary Bronze, Sanded "	5181SB	US21	"	"	"	"
Dull Blk. (Ox'd.), Sanded "	5161	US19	"	"	"	"
Bower Barff	5121	US18	7.60	11.30	16.80	18.50
Chromium, Bright Plated	5991	US26	See note			
Chromium, Dull "	5981	US26D	"	"		
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)	No.					
Brass Metal, Bright	5051	US3	\$ 9.70	\$14.70	\$22.00	\$24.20
Bronze " "	5041	US9	"	"	"	"
Brass " Dull	5071	US4	10.80	16.10	24.20	26.70
Brass " Oxidized, Dull	5191	US5	"	"	"	"
Bronze " Dull	5061	US10	"	"	"	"
Bronze " Oxidized, Dull	5251	US11	"	"	"	"
Bronze " Statuary	5361	US20	"	"	"	"
Brass " Ox'd Cop'r. Plated	5091	US8	"	"	"	"
Brass " Br't Nickel. "	5221	US14	"	"	"	"
Brass " Dull Nickel. "	5261	US15	"	"	"	"
Brass " Nkl., Sanded, "	5381N	US16	"	"	"	"
Brass " Ox'd, Sanded	5381OB	US6	"	"	"	"
Bronze " " "	5381OBZ	US12	"	"	"	"
Bronze " Statuary, Sanded	5381SB	US21	"	"	"	"
Brass " Br't Chrom. Pltd.	5401	US26	See note			
Brass " Dull Chrom. "	5421	US26D	"	"		
DIMENSIONS			INCHES			
Size of top cover			4x4 $\frac{1}{2}$	4 $\frac{3}{8}$ x5	4 $\frac{3}{4}$ x6	4 $\frac{3}{4}$ x6
Depth from top of cover to bottom of box			2 $\frac{7}{8}$	3 $\frac{3}{8}$	3 $\frac{3}{8}$	3 $\frac{3}{8}$
Pintle center to door casing			1 $\frac{3}{4}$	1 $\frac{7}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$

Chicago "Triplex" Lavatory Spring Hinges

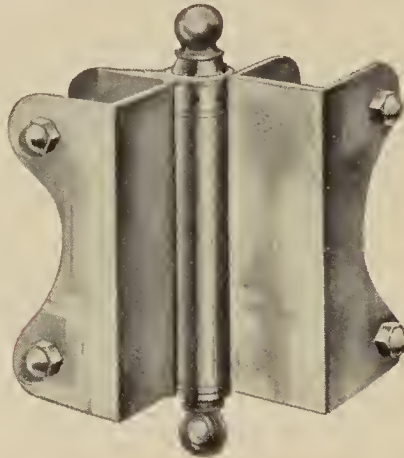
Polished Brass Metal, Nickel Plated
For Partitions With Hanging Stile



Type 2242
Single Acting
Adjustable
Clamp Flange

Per Pair
No. 2242, 4" flange . . . \$12.70
No. 2142, 3" flange . . . 10.60

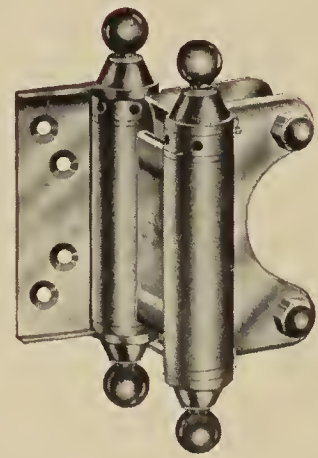
Can be supplied in cast metal, when so specified, without adjustable feature.



Type 2242A
Single Acting
Adjustable
Clamp Flanges

Per Pair
No. 2242A, 4" flange . . . \$15.40

Both clamp flanges adjustable. Can be supplied in cast metal, when so specified, without adjustable feature.



Type 2241
Double Acting
Non-Adjustable
Clamp Flange

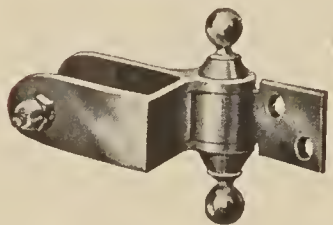
Per Pair
No. 2241, 4" flange . . . \$19.60
No. 2241A, 4" flange . . . 22.30

The No. 2241A is same as No. 2241, except it has two clamp flanges.

Single Acting Hinges can be supplied with reverse acting springs, to hold door open. If required, specify as "Reverse Acting." Always specify thickness of both hanging stile and door. (See note below.) These hinges are suitable for right or left-hand doors.

Lavatory Springless Hinges—For Use with Spring Hinges

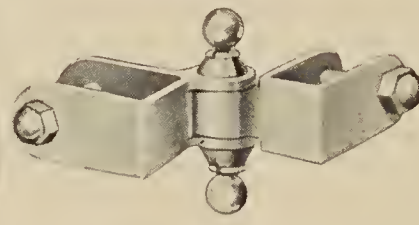
Adjustable
Clamp Flange



Type 2244

Per Set
No. 2242-2244 . . . \$10.60
No. 2244 . . . Per Pair 8.50

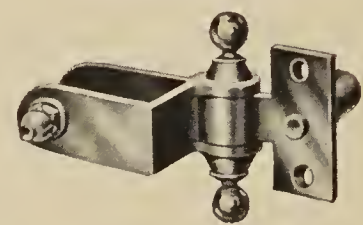
Adjustable
Clamp Flanges



Type 2244A

Per Set
No. 2242A-2244A . . . \$12.80
No. 2244A . . . Per Pair 10.20

Checking Hinge
To Hold Door Ajar

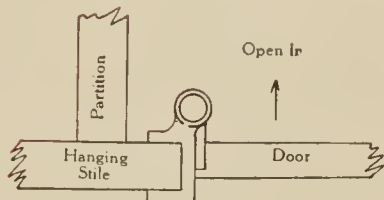


Type 2246

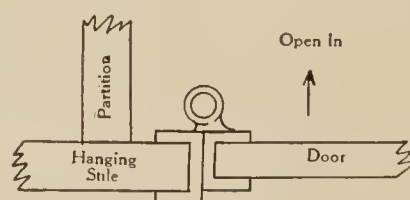
Per Set
No. 2242-2246 . . . \$12.70

If Single Acting Doors are narrow and light, a Spring and Springless Hinge can be used satisfactorily. If doors are heavy or equipped with pay locks, always use a pair of Spring Hinges.

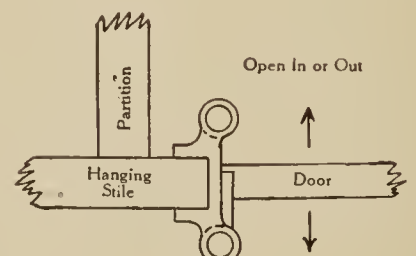
Application Detail



Type 2242-2244



Type 2242A-2244A



Type 2241

NOTE:—Always specify thickness of both partition and door.

Nos. 2242, 2142, 2242A, 2244, 2244A and 2246 have adjustable clamp flanges, and open head nuts on bolts, permitting adjustment of 1/8 inch under and over the following sizes by which they are specified: 1 in., 1 1/4 in., 1 1/2 in., 1 3/4 in. and 2 in.

Closed head nuts can be supplied for adjustable clamp flanges, but they are not practical if thickness of hanging stile varies.

For Bright Brass Metal (US3 finish) and Bright Bronze Metal (US9 finish) use list price.

For Oxidized finishes add 10% to list price.

For Bright Chromium Plated finish (US26 finish) or Dull Chromium Plated finish (US26D finish) add 20% to list price.

For White Bronze (US25 finish) add 25% to list price and for White Bronze Chromium Plated finish add 45% to list price.

Packed one pair or set in a box, with bolts and screws of same finish and tension adjuster.

Telegraph code, page 52. Table of weights, page 60. Detail drawings, page 58. Description of finishes, page 6.

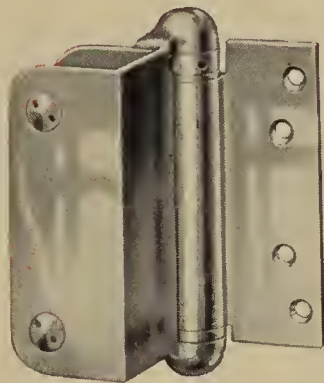
United States Federal Specification Type Numbers With Comparative Chicago Spring Hinge Company Type Numbers

(Specify Type No. and U. S. Finish Symbol)

U. S. Type Number		Federal Specification Number	C. S. H. Co. Type Number	Federal Specification Finish
A1051	.....	FF-H-111	1260 x 1247C	US14 Fin.
A1051A	.....	FF-H-111	1260 x 1247C	US25 Fin.
B1051	With Surface Keeper.....	FF-H-111	1252K	US14 Fin.
	With Clamp Flange Door Stop and Keeper.....	FF-H-111	1252 x 1247C	US14 Fin.
B1051A	With Surface Keeper.....	FF-H-111	1252K	US25 Fin.
	With Clamp Flange Door Stop and Keeper.....	FF-H-111	1252 x 1247C	US25 Fin.
C1051	With Mortise Keeper.....	FF-H-111	1256K	US14 Fin.
	With Rim Keeper.....	FF-H-111	1256RK	US14 Fin.
C1051A	With Mortise Keeper.....	FF-H-111	1256K	US25 Fin.
	With Rim Keeper.....	FF-H-111	1256RK	US25 Fin.
1166A	.....	FF-H-111	1233	US14 Fin.
1166B	.....	FF-H-111	1233	US25 Fin.
2301	.....	FF-H-116 A	3005	As Specified
2301A	.....	FF-H-116 A	3055	As Specified
2302	.....	FF-H-116 A	4005	As Specified
2302A	.....	FF-H-116 A	4055	As Specified
2330	.....	FF-H-116 A	2041 3 to 12 in.	US 9 Fin.
2330A	.....	FF-H-116 A	2131 3 to 12 in.	US 9 Fin.
2331	.....	FF-H-116 A	2042 3 to 12 in.	US 9 Fin.
2331A	.....	FF-H-116 A	2132 3 to 12 in.	US 9 Fin.
2334	.....	FF-H-116 A	G8041	US 9 Fin.
	With Exterior Tension Adjustment..... (For Doors 1 1/8 to 2 1/2 inches thick)	FF-H-116 A	4047	US 9 Fin.
2390	.....			
	With Internal Tension Adjustment..... (For Doors 7/8 to 2 1/2 inches thick)	FF-H-116 A	6047	US 9 Fin.
4101	.....	FF-H-136	2242A 1 1/4 in. Reverse (Adjustable 1 1/8 to 1 3/8)	US26 Fin.
4101A	.....	FF-H-136	2244A 1 1/4 in. (Adjustable 1 1/8 to 1 3/8)	US26 Fin.
4102	.....	FF-H-136	2842 1 1/4 in. Reverse	US26 Fin.
4102A	.....	FF-H-136	2844 1 1/4 in.	US26 Fin.
4106	.....	FF-H-136	F2222 Reverse	US26 Fin.
4106A	.....	FF-H-136	F2224	US26 Fin.
4115	.....	FF-H-136	2642 1 1/4 in. Reverse	US26 Fin.
4115A	.....	FF-H-136	2644 1 1/4 in.	US26 Fin.
4140	.....	FF-H-136	C4227S 1 1/4 in. Supplied with adjustable clamp flanges unless otherwise specified.	US26 Fin.
4200	.....	FF-H-136	CG47227S 1 1/4 in. Supplied with adjustable clamp flanges unless otherwise specified.	US26 Fin.
4301	.....	FF-H-136	1252K	US26 Fin.
4301A	.....	FF-H-136	1252 x 1247C Supplied with adjustable clamp flange unless otherwise specified.	US26 Fin.
4302	.....	FF-H-136	1260	US26 Fin.
4302A	.....	FF-H-136	1260 x 1247C Supplied with adjustable clamp flange unless otherwise specified.	US26 Fin.
4309	With Oval Handle.....	FF-H-136	1250	US26 Fin.
	With "T" Handle.....	FF-H-136	1256	US26 Fin.
4315	.....	FF-H-136	1253 Cut For 1250 or 1256 Bolt	US26 Fin.
4316	.....	FF-H-136	D1253 Cut For 1250 or 1256 Bolt	US26 Fin.
4330	.....	FF-H-136	1233	US26 Fin.
4331	.....	FF-H-136	1234	US26 Fin.

Lavatory Door Spring Hinges and Stops

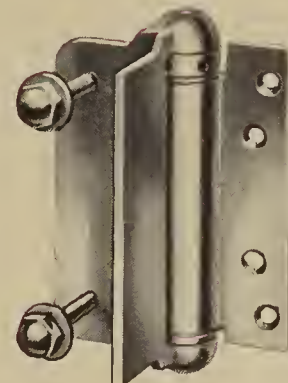
Polished Brass Metal, Nickel Plated
For Partitions With Hanging Stile
Cast Metal Type



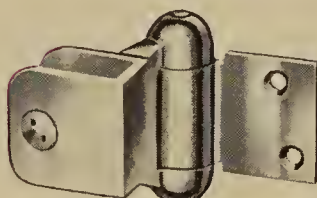
Type 22242
Adjustable
Clamp Flange



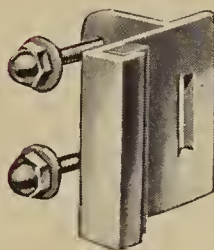
Type 11247F
Adjustable
Clamp Flange



Type 22242 1/2
"L" Angle
Flange



Type 22244
Adjustable
Clamp Flange



Type 11247 1/2 F
"L" Angle
Flange



Type 22244 1/2
"L" Angle
Flange

No. 22242.....	Per Pair	\$16.50	No. 22242 1/2.....	Per Pair	\$13.40
No. 22244.....	" "	11.00	No. 22244 1/2.....	" "	9.00
No. 22242 x 22244.....	Per Set	13.80	No. 22242 1/2 x 22244 1/2.....	Per Set	11.20

Types 22242, 22242 1/2, 22244 and 22244 1/2 hinges have single thickness of metal between door and hanging stile, reducing gap between them and increasing privacy. The surfaces of the clamp flange on Types 22242 and 22244 are unbroken by joints, holes or screws, easily cleaned and of neat appearance. The clamp adjustment is concealed behind spring barrel.

Single Acting Hinges can be supplied with reverse acting springs, to hold door open. If required, specify as "Reverse Acting." These hinges are suitable for right or left-hand doors.

Always specify thickness of both hanging stile and door.

Clamp Flange Door Stops with Keepers

Cast Metal Type—Adjustable Clamp Flange

		Each
No. 11247A	For Doors opening in, with keeper for No. 1248 bolt.....	\$3.20
No. 11247B	For Doors opening out, with keeper for No. 1248 bolt.....	3.20
No. 11247C	For Doors opening in, with keeper for No. 1242 or No. 1252 swing latch.....	3.50
No. 11247D	For Doors opening in or out, with keeper for No. 1254 mortise bolt.....	3.20
No. 11247F	For Doors opening in, with keeper for Nos. 1238, 1240, 1244 or 1250 bolt.....	3.50

"L" Angle Flange Door Stops with Keepers

Cast Metal Type

		Each
No. 11247 1/2 A	For Doors opening in, with keeper for No. 1248 bolt.....	\$3.00
No. 11247 1/2 B	For Doors opening out, with keeper for No. 1248 bolt.....	3.00
No. 11247 1/2 C	For Doors opening in, with keeper for No. 1242 or No. 1252 swing bolt.....	3.00
No. 11247 1/2 D	For Doors opening in or out, with keeper for No. 1254 mortise bolt.....	3.00
No. 11247 1/2 F	For Doors opening in, with keeper for Nos. 1238, 1240, 1244 or 1250 bolt.....	3.00

Always specify thickness of both hanging stile and door.

Nos. 22242 and 22244 hinges also 11247A to F Door Stops have adjustable clamp flange providing adjustment of 1/16 inch under or over the following sizes: 1 in., 1 1/8 in., 1 1/4 in., 1 3/8 in., 1 1/2 in., 1 5/8 in., 1 3/4 in., 1 7/8 in., 2 in.

The bumpers on Type 11247F and 11247 1/2 F Stops are part of "L" shaped member which laps around the partition on opposite side and relieves the strain on attaching bolts. Single thickness of metal between door and partition reduces gap between them.

For Bright Brass Metal (US3 finish) and Bright Bronze Metal (US9 finish) use list price.

For Oxidized finishes add 10% to list price.

For Bright Chromium Plated finish (US26 finish) or Dull Chromium Plated finish (US26D finish) add 20% to list price.

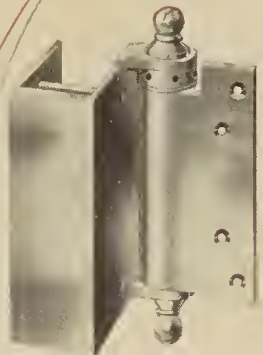
For White Bronze (US25 finish) add 25% to list price and for White Bronze Chromium Plated finish add 45% to list price.

Packed: Hinges, one pair or set in a box, with bolts and screws of same finish and tension adjuster; Stops, one in box with bolts of same finish.

Telegraph code, page 52. Table of weights, page 60. Description of finishes, page 6.

Lavatory Door Spring Hinges

Polished Brass Metal, Nickel Plated
For Partitions Without Hanging Stile
Non-adjustable Clamp Flanges

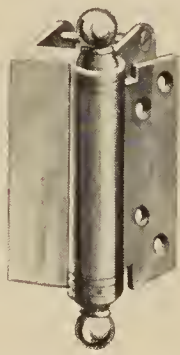


Type 2842
Single Acting
Right or Left Hand,
Doors opening in

Per Pair
No. 2842. 4-in.
flange.....\$15.10

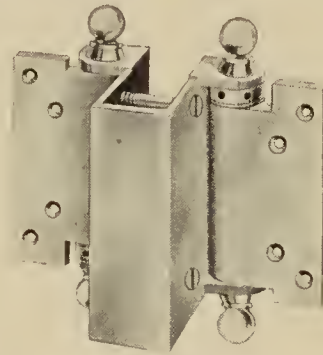
For doors hung to a partition which has no hanging stile.

Single Acting Hinges can be supplied with reverse acting springs, to hold door open. If required, specify as "Reverse Acting." Always specify thickness of both partition and door.



Type 2742
Single Acting
Right or Left Hand,
Doors opening out

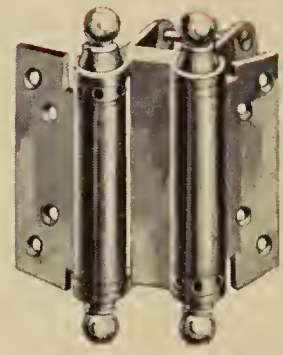
Per Pair
No. 2742. 4-in.
flange.....\$15.10



Type 2642
Single Acting
Doors opening in

Per Pair
No. 2642. 4-in.
flange.....\$21.80

For two doors hung right and left to the same partition without a hanging stile.



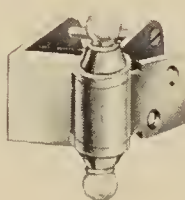
Type 2542
Single Acting
Doors opening out

Per Pair
No. 2542. 4-in.
flange.....\$21.80



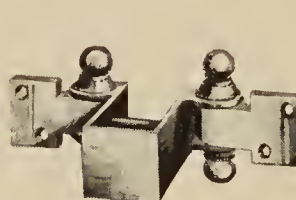
Type 2844

Per Set
No. 2842-2844.....\$12.60
No. 2844—Per Pair 10.10



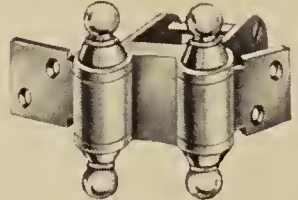
Type 2744

Per Set
No. 2742-2744.....\$12.60
No. 2744—Per Pair 10.10



Type 2644

Per Set
No. 2642-2644.....\$18.20
No. 2644—Per Pair 14.60

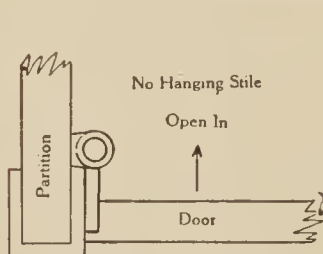


Type 2544

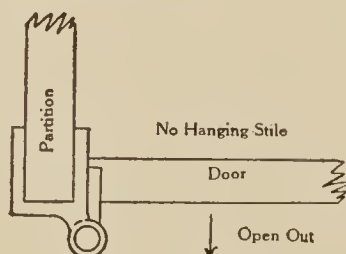
Per Set
No. 2542-2544.....\$18.20
No. 2544—Per Pair 14.60

If doors are narrow and light, a Spring and Springless Hinge can be used satisfactorily. If doors are heavy or equipped with pay locks, always use a pair of Spring Hinges.

Application Detail



Type 2842-2844



Type 2742-2744

For Bright Brass Metal (US3 finish) and Bright Bronze Metal (US9 finish) use list price.

For Oxidized finishes add 10% to list price.

For Bright Chromium Plated finish (US26 finish) or Dull Chromium Plated finish (US26D finish) add 20% to list price.

For White Bronze (US25 finish) add 25% to list price and for White Bronze Chromium Plated finish add 45% to list price.

Packed one pair or set in a box, with bolts and serews of same finish and tension adjuster.

Telegraph code, page 52. Table of weights, page 60. Description of finishes, page 6.

For Wall Application

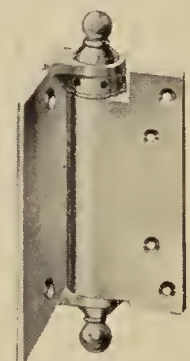
Without Clamp Flange



Type F2224

No. F2222. 4-in. Flange... Per Pair \$10.90
No. F2222-F2224..... Per Set 9.10
No. F2224..... Per Pair 7.30

For application to a wall where a clamp flange cannot be used. Furnished with wood serews unless otherwise specified.



Type F2222

Lavatory Door Spring Hinges

Polished Brass Metal, Nickel Plated
Surface Type

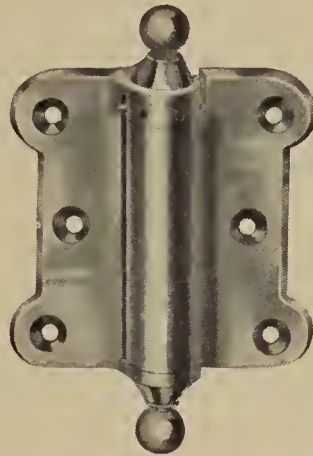


Type 2444

Single Acting Springless Hinge

No. 2442-2444 Per Set \$10.30
No. 2444 Per Pair 8.20

The Springless Hinge is used with a Spring Hinge on narrow and light doors.

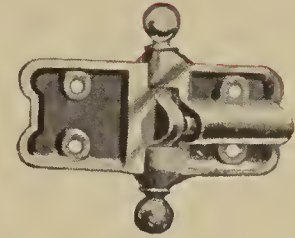


Type 2442

Single Acting Spring Hinge

No. 2442, 4" flange, Per Pair \$12.40
No. 2443, 3" flange, Per Pair 10.30

This hinge can be applied to partitions without hanging stile, if doors open in.



Type 2446

Single Acting Checking Hinge

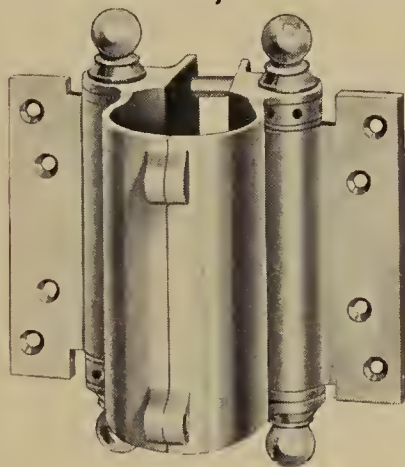
No. 2442-2446 Per Set \$12.40
No. 2446 Per Pair 12.40

The Checking Hinge holds the door ajar when it is not bolted shut.

These hinges are suitable for right or left hand doors. Furnished with wood screws, unless otherwise specified. If required for other than wood partitions, give details so that proper screws or bolts can be furnished.

Lavatory Door Spring Hinges for Pipe Standards

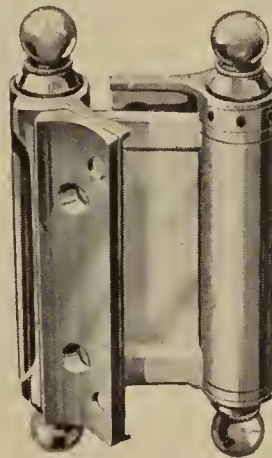
Polished Brass Metal, Nickel Plated



Type I2342DD

Yoke Type, Single Acting

Doors opening in Per Pair
No. I2342DD, 4-in flange . . \$26.80
No. I2342DD-I2344DD, Per Set
Spring and Springless
Hinge \$22.30
Doors opening out Per Pair
No. O2342DD, 4-in. flange . . \$26.80
No. O2342DD-O2344DD, Per Set
Spring and Springless
Hinge \$22.30
For two doors hung right and
left to the same pipe standard.



Type P2221

Double Acting

Right or Left Hand

Per Pair
No. P2221, 4-in. flange \$18.00

For doors hung to a pipe standard where pipe yoke is not desired. It is attached to the pipe with machine screws.



Type P2222

Single Acting

Right or Left Hand

Per Pair
No. P2222, 4-in flange \$11.10
No. P2222-P2224—Spring Per Set
and Springless Hinge \$9.30
For doors hung to a pipe standard where pipe yoke is not desired. It is attached to the pipe with machine screws.

Always specify exact outside diameter of pipe and thickness of door and partition when ordering.

Single Acting Hinges can be supplied with reverse acting springs, to hold door open. If required, specify as "Reverse Acting."

For Bright Brass Metal (US3 finish) and Bright Bronze Metal (US9 finish) use list price.

For Oxidized finishes add 10% to list price.

For Bright Chromium Plated finish (US26 finish) or Dull Chromium Plated finish (US26D finish) add 20% to list price.

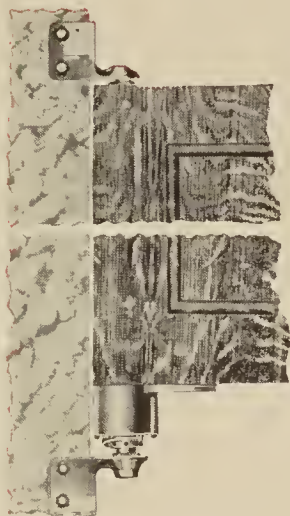
For White Bronze (US25 finish) add 25% to list price and for White Bronze Chromium Plated finish add 45% to list price.

Packed one pair or set in a box, with bolts and screws of same finish and tension adjuster.

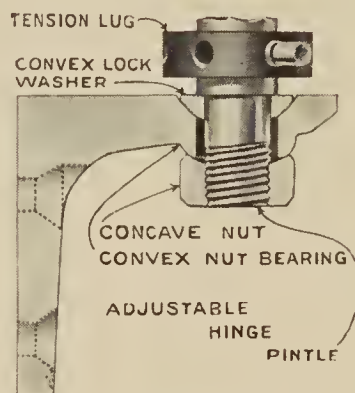
Telegraph code, page 52. Table of weights, page 60. Description of finishes, page 6.

"Sagless" Lavatory Spring Pivot-Hinges

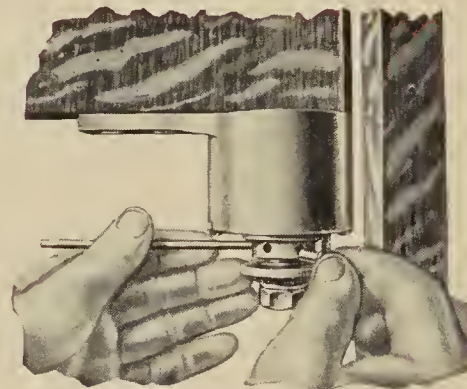
Single or Double Acting



Type C4227S
Surface Hinge



Alignment
Feature



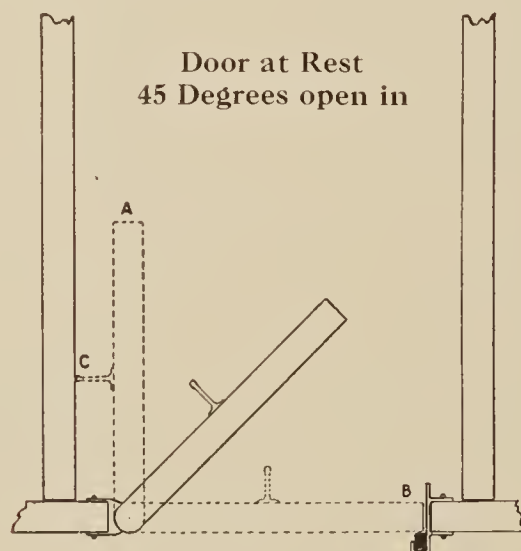
Exterior
Tension Adjustment

Checking Feature

Quiet Action—No Slam

An adjustable pintle permits setting the door to remain at rest 45 degrees open in. When installed in this manner the spring action from either a fully opened or closed position is not sufficient to cause the door to strike the partition or stop. The door, swinging from either an opened or closed position, meets resistance from the spring as soon as it passes the "Rest position" (45 degrees open in) and this checks the action of the door and prevents it striking the partition or stop.

It is easy and economical to apply Lavatory Stall Doors with Chicago Sagless Spring Pivot-Hinges so that they will operate as noiselessly as any door hung with more expensive checking hinges. The Type 4227 Series, with exterior tension adjustment, are particularly well suited for this type of application.



No Slam

A door released from position "A" will not strike at "B" nor will a door released from "B" swing beyond position "A" to cause the bumper to strike at "C."

Expensive checking hinges accomplish no more and may require the expense of frequent adjustment and maintenance.

Alignment

An adjustable hinge pintle, with ball and socket alignment, permits aligning the pintle vertically with the top pivot. This gives free and easy movement of the door.

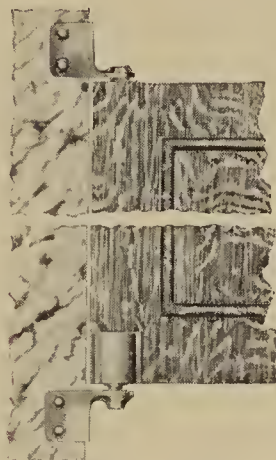
Use Sagless Lavatory Spring Pivot-Hinges. Save on original cost and also maintenance expense.

"Sagless" Lavatory Spring Pivot-Hinges

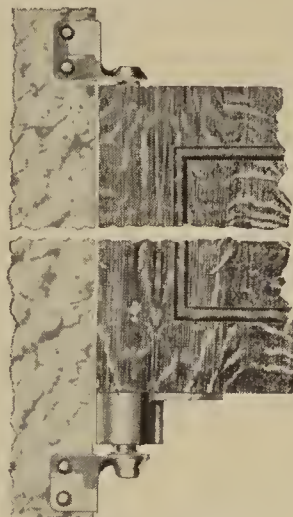
Polished Brass Metal, Nickel Plated
Ball-Bearing—Adjustable Clamp Flange
Single or Double Acting



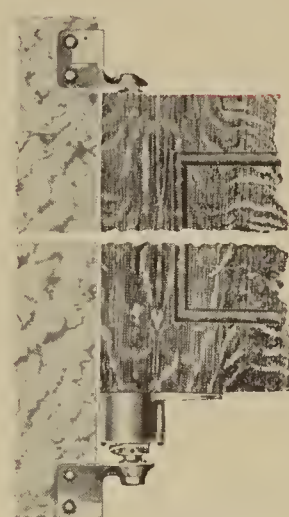
Type C7227S
Surface Hinge



Type C7227M
Mortise Hinge



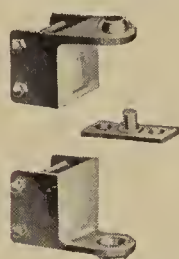
Type C6227S
Surface Hinge



Type C4227S
Surface Hinge



Attachment "C"



Attachment "CI"



Attachment "P"



Attachment "F"

Regular Adjustable Clamp Flange	Inverted Adjustable Clamp Flange	Concave Pipe Attachments	Flat Attachment Applied to Surface of Jamb
C 7227S \$12.70	CI 7227S \$12.70	P 7227S \$11.60	F 7227S \$10.80
C 7227M 12.70	CI 7227M 12.70	P 7227M 11.60	F 7227M 10.80
C 6227S 12.70	CI 6227S 12.70	P 6227S 11.60	F 6227S 10.80
C 6227M 12.70	CI 6227M 12.70	P 6227M 11.60	F 6227M 10.80
C 4227S 14.00	CI 4227S 14.00	P 4227S 12.80	F 4227S 11.90
C 4227M 14.00	CI 4227M 14.00	P 4227M 12.80	F 4227M 11.90

Type 4227 Series

These hinges are specially suited for heavy duty on dwarf double acting doors or single acting doors set to remain at rest, 45 degrees open in, as suggested on page 32. In addition to the important features of the other sagless lavatory hinges, they have an exterior tension adjustment, which may be adjusted after the hinges have been applied. This feature is exclusive with this type of hinge.

Type 7227 Series

These hinges are recommended for lavatory stall doors. Being of the pivot type, the doors cannot sag. The body, of small diameter, presents a neat and pleasing appearance when applied to the door. An adjustable pintle permits aligning the door after it has been hung, also setting it to remain at rest in any desired position.

Type 6227 Series

We recommend these hinges for double action dwarf lavatory vestibule doors or heavy doors on lavatory stalls. They are of the same general design as the various types of 7227 hinges described above but have greater spring power.

The clamp attachments illustrated have an adjustable side plate with open head nuts on bolts, permitting adjustment $\frac{1}{8}$ inch under and over the following sizes by which they are specified:—1 in., $1\frac{1}{4}$ in., $1\frac{1}{2}$ in., $1\frac{3}{4}$ in., and 2 in. The attachments are made so that the adjustable side plate can be located on the inside of the partition, on either right or left hand doors.

These Pivot-Hinges hang the door in the center of the edge of the partition.

Closed head nuts can be supplied for adjustable clamp flanges, but they are not practical if thickness of partition varies.

Always specify thickness of both partition and door or outside diameter of pipe and thickness of door. Specify if to be used double or single acting, so proper tension will be applied to the spring.

For Bright Brass Metal (US3 finish) and Bright Bronze Metal (US9 finish) use list price.

For Oxidized finishes add 10% to list price.

For Bright Chromium Plated finish (US26 finish) or Dull Chromium Plated finish (US26D finish) add 20% to list price.

For White Bronze (US25 finish) add 25% to list price and for White Bronze Chromium Plated finish add 45% to list price.

Packed one set in a box, with bolts and screws of same finish.

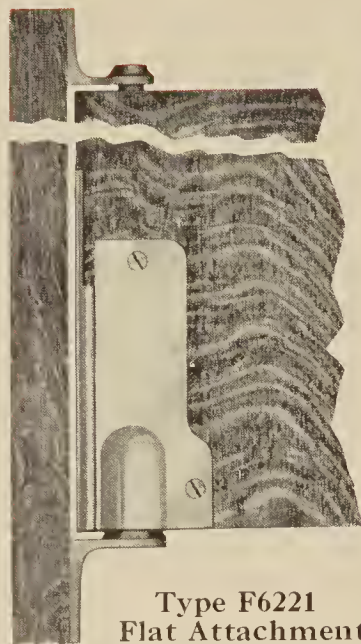
Telegraph code, page 52. Table of weights, page 60. Description of finishes, page 6.

Chicago Lavatory Spring Pivot-Hinges

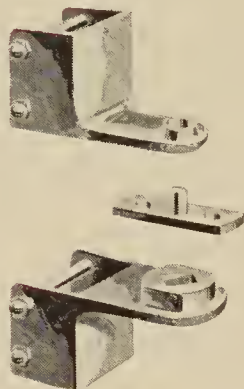
Polished Brass Metal, Nickel Plated

Ball-Bearing

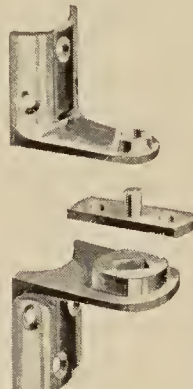
Adjustable Tension
Single Acting or Double Acting
For Doors $1\frac{1}{8}$ to $1\frac{1}{2}$ In. Thick



Type F6221
Flat Attachment

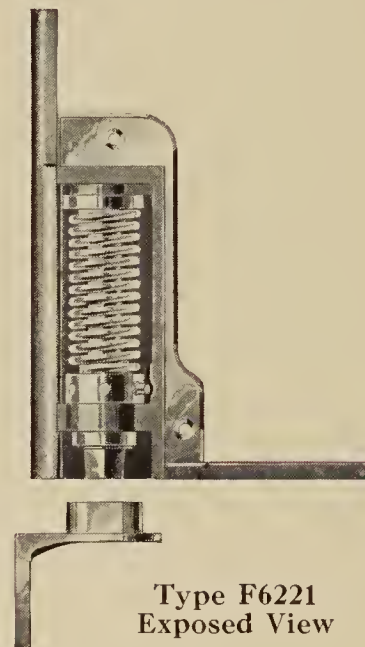


Attachment "C"



Attachment "P"

Type 6221 Attachments



Type F6221
Exposed View

No. C6221.	With Clamp Flange Attachment.....	Per Set \$13.90
No. P6221.	With Concave Pipe Attachment.....	" " 12.80
No. F6221.	With Flat Attachment applied to Surface of Jamb.....	" " 12.00
No. FR6221.	With Flat Attachment applied to Surface of Jamb. (Axis of hinge located so jamb edge of door swings in concave recess in jamb).....	" " 12.00

Always specify thickness of both partition and door. Specify outside diameter of pipe.

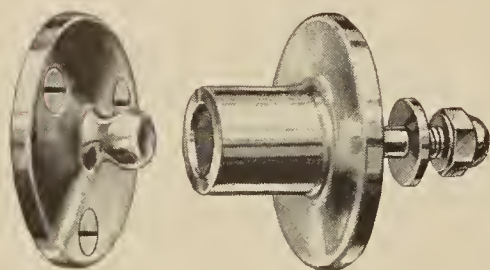
Description, Type 6221

This Spring Pivot-Hinge may be used either single or double acting. It is designed to allow space for a powerful spring and has a tension adjustment to adapt it to light or heavy doors. It is mortised into the door and has side plates to cover the mortise cut. The weight of the door is carried on ball-bearings. The pintle of the hinge is held rigidly in the bottom bracket and the door cannot get out of alignment when in use. It is constructed so the pintle of the hinge may be set in the bottom bracket in any one of five positions, thereby holding the door, when at rest, in closed position, 45 or 90 degrees open (right or left). This pivot type hinge is very desirable for wide or heavy double acting doors as the spring does not carry the weight of the door and a light tension may be used without the door sagging.

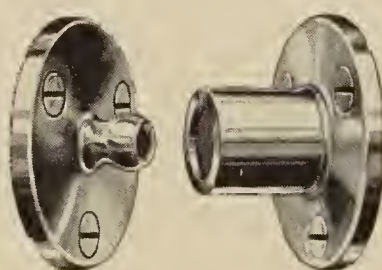
Packed one set in a box, with bolts and screws of same finish.

Lavatory Door Stops and Bumpers

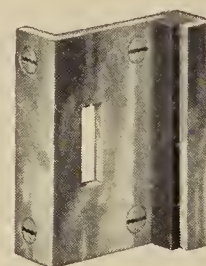
Polished Brass Metal, Nickel Plated



Type 1138 Door Bumper
For Marble or Slate Partition
Specify Thickness of Partition
Each \$3.30



Type 1139
Door Bumper
For Wood Partition
Each \$2.90



Type 1245 $\frac{1}{2}$ A Door Stop
For Wood Partition
(Specify Thickness of Door and Parti-
tion and whether to be cut for No. 1244
or No. 1248 Bolt)
Each \$2.50

These door bumpers have a rubber cushion.

For Bright Brass Metal (US3 finish) and Bright Bronze Metal (US9 finish) use list price.

For Oxidized finishes add 10% to list price.

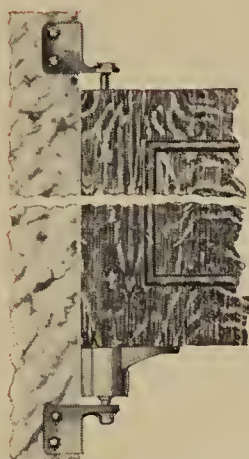
For Bright Chromium Plated finish (US26 finish) or Dull Chromium Plated finish (US26D finish) add 20% to list price.

For White Bronze (US25 finish) add 25% to list price and for White Bronze Chromium Plated finish add 45% to list price.

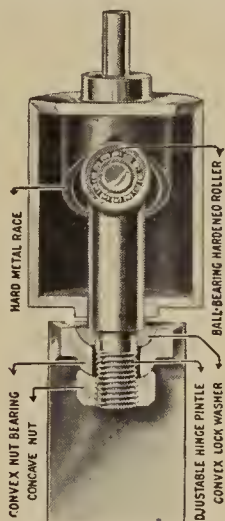
Telegraph code, page 52. Table of weights, page 60. Description of finishes, page 6.

Chicago Lavatory Gravity Pivot-Hinges

Polished Brass Metal, Nickel Plated
Adjustable Clamp Flange—Ball-Bearing Gravity Roller



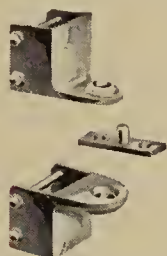
Type C47227S—Single or Double Acting



Type C47227S—Exposed View



Type F47228S—Single Acting



Type "C" Attachment
C47227S \$12.70



Type "CI" Attachment
CI47227S \$12.70



Type "P" Attachment
P47227S \$11.60



Type "F" Attachment
F47227S \$10.80

Clamp attachments are reversible for either right or left hand doors opening in or out.

The door will be in the center of edge of partition.

These hinges are recommended for lavatory stall doors where specifications require a gravity type hinge but in our opinion a gravity type hinge is not as adaptable to varying conditions and requirements as a spring hinge, especially one of the Type 4227 series, with exterior tension adjustment.

Types C & CI47227S gravity hinges have an adjustable clamp flange and are supplied with open head nuts on bolts, thereby permitting adjustment of 1/8-inch under and over the following sizes by which they are specified: 1 in., 1 1/4 in., 1 1/2 in., 1 3/4 in., and 2 in.

These hinges can be supplied to meet U. S. Government specifications. Prices on request.

Always specify thickness of both partition and door or outside diameter of pipe and thickness of door.

For Bright Brass Metal (US3 finish) and Bright Bronze Metal (US9 finish) use list price.

For Oxidized finishes add 10% to list price.

For Bright Chromium Plated finish (US26 finish) or Dull Chromium Plated finish (US26D finish) add 20% to list price.

For White Bronze (US25 finish) add 25% to list price and for White Bronze Chromium Plated finish add 45% to list price.

Telegraph code, page 52.

Type F47228S—Single Acting

No. F47228S (Specify hinges for right or left hand door and whether opening in or out).....\$16.20

This single acting hinge is suitable for dwarf louvre doors, similar to those used in hospital room doorways to obstruct vision. It can be adjusted so that when the door is opened 180 degrees it will hold open in that position. This permits the unobstructed use of the doorway when desired. For lavatory stall doors we recommend the Type C47227S which is suitable for either single or double acting doors.

Chicago Gate Gravity Pivot-Hinges



Type 47007

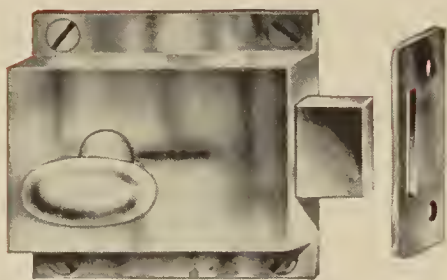
IRON METAL POLISHED		No.	U. S. Standard Finish Symbol	PRICES PER SET
Dead Black (Unpolished).....	Japanned	47007	US1D	\$ 3.90
Brass, Dull.....	Plated	47287	US4	5.80
Nickel, Bright.....	"	47217	US14	6.90
Brass, Oxidized, Sanded.....	"	47187OB	US6	6.90
BRASS OR BRONZE METAL, POLISHED				
Brass Metal, Bright.....		47057	US3	9.70
Bronze Metal, Bright.....		47047	US9	9.70
Brass Metal, Bright Nickel.....	Plated	47227	US14	10.80

These hinges can be supplied to meet U. S. Government Specifications. Prices on request. We recommend Sagless Spring Pivot-Hinges, especially Type 4007, as quieter and more adaptable to varying conditions.

Packed one set in a box with bolts or screws of same finish.
Table of weights, page 60. Description of finishes, page 6.

Lavatory Door Bolts, Latches and Indicators

Polished Brass Metal, Nickel Plated
Door Stops are Illustrated on Pages 37 and 38

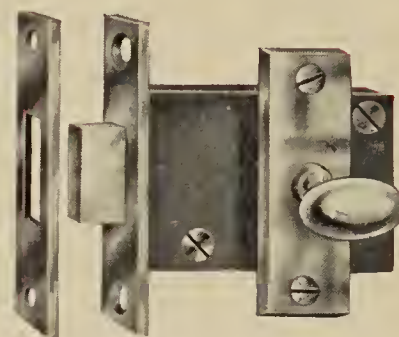


Type 1250K Rim Bolt

- No. 1250, Without Keeper.....Each \$2.90
No. 1250K, With Keeper..... " 3.00
No. 1250K-1258, With Keeper & Indicator...Set 4.40
No. 1250-1247 F or G, With Door Stop..... " 5.80
No. 1250-1247 F or G-1258..... " 7.20
No. 1256, Same as above, but with "T" Handle.
Case $2\frac{1}{2} \times 2\frac{5}{8}$ ". Bolt $\frac{7}{8} \times \frac{1}{4}$ ".
Face to Center of Knob $1\frac{5}{8}$ ".

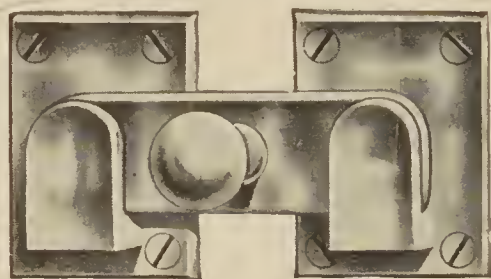


Type 1258 Indicator
Diameter $2\frac{1}{2}$ ins.



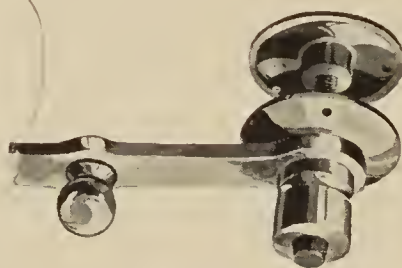
Type 1254K Mortise Bolt

- No. 1254, Without Keeper.....Each \$2.90
No. 1254K, With Keeper..... " 3.00
No. 1254K-1258, With Keeper & Indicator...Set 4.40
No. 1254-1247D, With Door Stop..... " 5.70
No. 1254-1247D-1258..... " 7.10
Case $1\frac{5}{8} \times 2\frac{5}{8} \times \frac{1}{16}$ ". Front $3 \times \frac{5}{8}$ ".
Bolt $\frac{7}{8} \times \frac{1}{4}$ ". Face to Center of Knob $1\frac{5}{8}$ ".



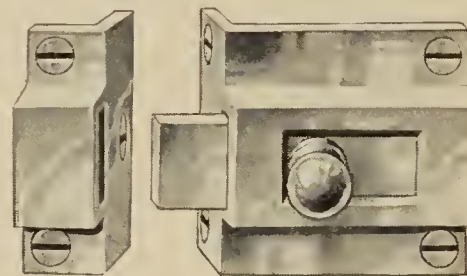
Type 1242K and 1252K
Swing Latch

- No. 1242, Without Keeper..Each \$2.90
No. 1242K, With Keeper.. " 3.70
No. 1242-1247C, With
Door Stop.....Set 5.80
Plates $2 \times 1\frac{5}{8}$ ". Latch Bar $\frac{7}{8} \times 3\frac{1}{4} \times \frac{3}{16}$ ".
No. 1252, Without Keeper..Each \$4.30
No. 1252K, With Keeper.. " 5.30
No. 1252-1247C.....Set 7.20
Plates 2×2 ". Latch Bar $4 \times 1\frac{1}{8} \times \frac{1}{4}$ ".



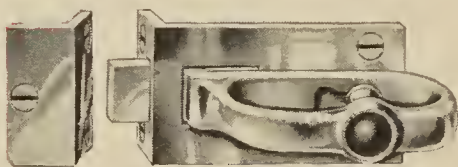
Type 1260
Government Type
Swing Latch

- No. 1260, Without
Keeper.....Each \$5.00
(For right or left hand doors)
No. 1260-1247C,
With Door Stop....Set \$7.90
This is Approved Government
Type Latch.
Disc $1\frac{3}{4}$ " dia.
Bar $3\frac{13}{16} \times 1\frac{1}{16} \times \frac{3}{16}$ ".



Type 1236K
Slide Bolt

- No. 1236, Without Keeper Each \$2.50
No. 1236K, With Keeper. " 2.70
No. 1236-1247 F or G,
With Door Stop.....Set 5.40
Plate $2 \times 2 \times \frac{3}{4}$ ". Bolt Bar $\frac{3}{4} \times 2\frac{1}{2} \times \frac{1}{4}$ ".
*No. 1238, Without Keeper. Each \$2.30
No. 1238K, With Keeper.. " 2.50
No. 1238-1247 F or G.....Set 5.20
Plate 2×2 ". Bolt Bar $\frac{3}{4} \times 2\frac{1}{2} \times \frac{1}{4}$ ".
*Same as Type 1236, but without
face plate.



Type 1248K Half Mortise Bolt

- No. 1248, Without Keeper..Each \$3.70
No. 1248K, With Keeper.. " 3.80
No. 1248-1247 A or B,
With Door Stop.....Set 6.50
Plate $1\frac{5}{8} \times 3 \times \frac{3}{4}$ ". Bolt Bar $\frac{5}{8} \times \frac{1}{4}$ ".
This Bolt serves as a Door Pull and
Bumper.

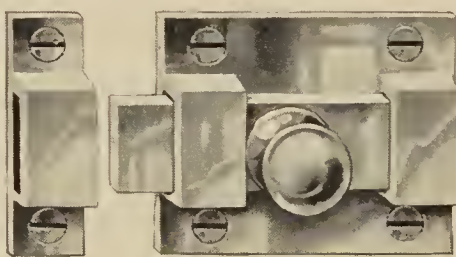
For Bright Brass Metal (US3 finish) and Bright Bronze Metal (US9 finish) use list price.
For Oxidized finishes add 10% to list price.

For Bright Chromium Plated finish (US26 finish) or Dull Chromium Plated finish (US26D finish) add 20% to list price.

For White Bronze (US25 finish) add 25% to list price and for White Bronze Chromium Plated finish add 45% to list price.

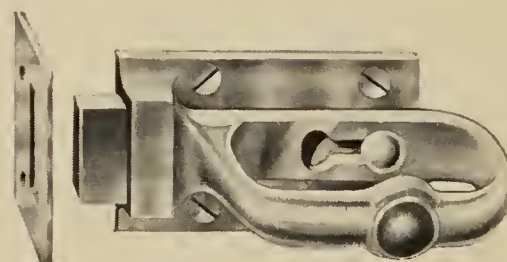
Packed complete with screws of same finish.

Telegraph code, page 52. Table of weights, page 60. Description of finishes, page 6.



Type 1240K Slide Bolt

- No. 1240, Without
Keeper.....Each \$4.80
No. 1240K, With
Keeper..... " 5.10
No. 1240-1247 F or G Set 7.70
Plate $2\frac{1}{2} \times 3$ ".
Bolt Bar $\frac{7}{8} \times 3\frac{1}{2} \times \frac{5}{16}$ ".



Type 1244K Slide Bolt

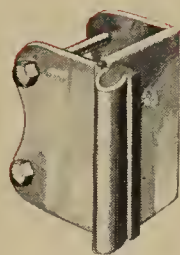
- No. 1244, Without Keeper..Each \$3.70
No. 1244K, With Keeper.. " 3.80
No. 1244-1247 F or G,
With Door Stop.....Set 6.60
Plate $1\frac{5}{8} \times 2\frac{7}{8}$ ". Bolt $\frac{3}{4} \times \frac{1}{4}$ ".
This Bolt serves as a Door Pull and
Bumper.

Lavatory Door Stops and Keepers

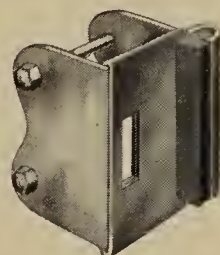
Polished Brass Metal, Nickel Plated

For Partitions with Hanging Stile—Right or Left Hand

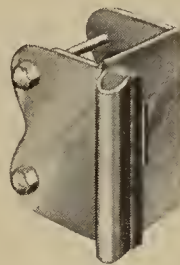
For Use with Butt-Hinges, Single Acting



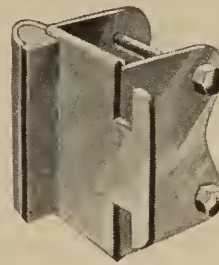
Type 1247



Type 1247A



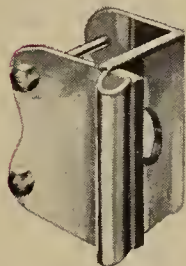
Type 1247B



Type 1247C



Type 1247D



Type 1247E



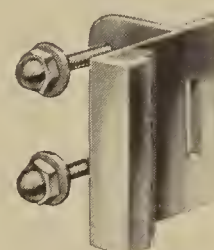
Type 1247F



Type 1247G



Type 1247H



Type 11247 1/2 F

Clamp Flange Type

Door Stops illustrated above are intended for doors hung with butt-hinges (For example No. 2242), and with the surface of the door flush with partition on same side as hinge axis.

	Each
No. 1247 For Doors opening in or out, without bolt hole.....	\$2.50
No. 1247A For Doors opening in, with keeper for No. 1248 bolt.....	2.80
No. 1247B For Doors opening out, with keeper for No. 1248 bolt.....	2.80
No. 1247C For Doors opening in, with keeper for No. 1242 or No. 1252 swing latch.....	2.90
No. 1247D For Doors opening in or out, with keeper for No. 1254 mortise bolt.....	2.80
No. 1247E For Doors opening in or out, with round bolt hole.....	2.80
No. 1247F For Doors opening in, with keeper for Nos. 1238, 1240, 1244 or 1250 bolt.....	2.90
No. 1247G For Doors opening out, with keeper for Nos. 1238, 1240, 1244 or 1250 bolt.....	2.90
No. 1247H For Doors opening out, with keeper for No. 1242 or No. 1252 swing latch.....	2.90

Numbers 1247 to 1247H, inclusive, have adjustable clamp flanges and open head nuts on bolts, permitting adjustment of 1/8 in., under and over the following sizes by which they are specified:—1 in., 1 1/4 in., 1 1/2 in., 1 3/4 in., and 2 in.

Closed head nuts can be supplied for adjustable clamp flanges, but they are not practical if thickness of partition varies.

If No. 1247C or No. 1247H is specified "Right Hand" or "Left Hand," only the top half of keeper is slotted. To determine hand of door, see page 2.

L Angle Flange Type

	Each
No. 11247 1/2 A, B, C, D and F (Indicate bolt hole to be provided, by affixing letter in accordance with above list).....	\$3.00

Lavatory Door Stops and Keepers

For Use with Pivot-Hinges, Single Acting

Clamp Flange Type

Door Stops listed below are intended for doors hung with pivot-hinges (For example No. C4227S) and with the door hung in the center of the edge of the partition.

	Each
No. 1447 For Doors opening in or out, without bolt hole.....	\$2.50
No. 1447A For Doors opening in, with keeper for No. 1248 bolt.....	2.80
No. 1447B For Doors opening out, with keeper for No. 1248 bolt.....	2.80
No. 1447C For Doors opening in, with keeper for No. 1242 or No. 1252 swing latch.....	2.90
No. 1447D For Doors opening in or out, with keeper for No. 1254 mortise bolt.....	2.80
No. 1447E For Doors opening in or out, with round bolt hole.....	2.80
No. 1447F For Doors opening in, with keeper for Nos. 1238, 1240, 1244 or 1250 bolt.....	2.90
No. 1447G For Doors opening out, with keeper for Nos. 1238, 1240, 1244 or 1250 bolt.....	2.90
No. 1447H For Doors opening out, with keeper for No. 1242 or No. 1252 swing latch.....	2.90

Numbers 1447 to 1447H, inclusive, have adjustable clamp flanges and open head nuts on bolts, permitting adjustment of 1/8 in., under and over the following sizes by which they are specified:—1 in., 1 1/4 in., 1 1/2 in., 1 3/4 in., and 2 in.

Closed head nuts can be supplied for adjustable clamp flanges, but they are not practical if thickness of partition varies.

If No. 1447C or No. 1447H is specified "Right Hand" or "Left Hand," only the top half of keeper is slotted. To determine hand of door, see page 2.

Always specify thickness of both Partition and Door.

For Bright Brass Metal (US3 finish) and Bright Bronze Metal (US9 finish) use list price.

For Oxidized finishes add 10% to list price.

For Bright Chromium Plated finish (US26 finish) or Dull Chromium Plated finish (US26D finish) add 20% to list price.

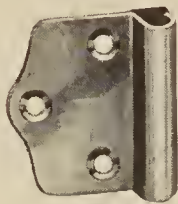
For White Bronze (US25 finish) add 25% to list price and for White Bronze Chromium Plated finish add 45% to list price.

Packed complete with bolts of same finish.

Telegraph code, page 52. Table of weights, page 60. Description of finishes, page 6.

Miscellaneous Lavatory Door Stops and Keepers

Polished Brass Metal, Nickel Plated
Door Bolts and Latches are Illustrated on Page 36
For Application to Wood Partitions



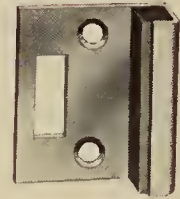
Type 1243



Type 1245



Type 1345C

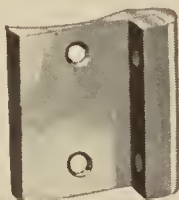


Type 1345F

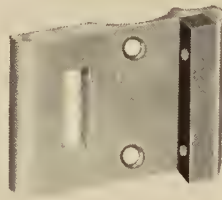
		Each
No. 1243	Applied to surface of door flush with partition.....	\$0.80
No. 1245	Applied to edge of door or partition.....	.80
No. 1345C	With Keeper for Swing Latch. For doors opening in.....	1.70
No. 1345F	With Keeper for Rim or Slide Bolt. For doors opening in.....	1.70

Specify height and width of bolt bar for items with keeper.
Packed complete with wood or machine screws as specified.

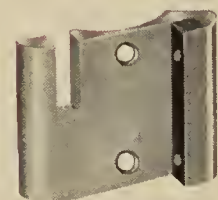
For Application to Pipe Standards



Type 1241



Type 1241F



Type 1241C

		Each
No. 1241	Applied to pipe standard with machine screws.....	\$1.70
No. 1241F	With Keeper for Rim or Slide Bolt. Doors open in.....	2.20
No. 1241C	With Keeper for Swing Latch. Doors open in. (Specify hand of door, see Page 2).....	2.20

Always specify outside diameter of pipe and thickness of door.
Also specify height and width of bolt bar for items with keeper.
Packed complete with wood or machine screws as specified.

For Partitions without Hanging Stile—Single Acting Doors



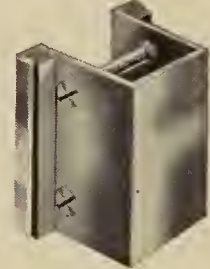
Type 1253



Type D1253



Type 1251



Type D1251

		Each
No. 1253	For Doors opening in, Single door.....	\$3.10
*No. 1253	Cut for Nos. 1238, 1240, 1244, 1248, 1250 or 1254 bolt.....	3.50
No. D1253	For Doors opening in. Doors hung right and left to same partition.....	3.80
*No. D1253	Cut for Nos. 1238, 1240, 1244, 1248, 1250 or 1254 bolt.....	4.50
No. 1251	For Doors opening out. Single door.....	3.10
*No. 1251	Cut for Nos. 1238, 1240, 1244, 1248, 1250 or 1254 bolt.....	3.50
No. D1251	For Doors opening out. Doors hung right and left to same partition.....	3.80
*No. D1251	Cut for Nos. 1238, 1240, 1244, 1248, 1250 or 1254 bolt.....	4.50

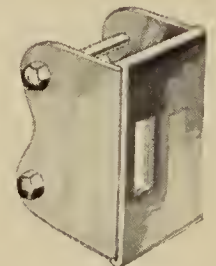
*Always specify Number of Bolt, so proper cut will be made in door stop.

For Partitions with Hanging Stile—Double Acting Doors

		Each
No. 1347A	For Double Acting Doors, with keeper for No. 1248 bolt.....	\$2.50
No. 1347C	For Double Acting Doors, with keeper for No. 1242 or No. 1252 latch.....	2.50
No. 1347D	For Double Acting Doors, with keeper for No. 1254 bolt.....	2.50
No. 1347E	For Double Acting Doors, with keeper for round bolt.....	2.50
No. 1347F	For Double Acting Doors, with keeper for Nos. 1238, 1240, 1244 or 1250 bolt.....	2.50

These Keepers are for double acting doors, therefore it is not necessary to specify if doors open in or out. The keepers are suitable for right or left-hand doors.

Always specify Number of Bolt, so proper cut will be made in door stop.



Type 1347A

Always specify thickness of both partition and door.

Single Acting Doors will always be considered as flush with partition on side where axis of hinge is located, unless otherwise specified.

For Bright Brass Metal (US3 finish) and Bright Bronze Metal (US9 finish) use list price.

For Oxidized finishes add 10% to list price.

For Bright Chromium Plated finish (US26 finish) or Dull Chromium Plated finish (US26D finish) add 20% to list price.

For White Bronze (US25 finish) add 25% to list price and for White Bronze Chromium Plated finish add 45% to list price.

Packed complete with bolts of same finish.

Telegraph code, pages 52, 53. Table of weights, page 60. Description of finishes, page 6.

TRADE **CHICAGO** MARK

SPRING HINGES

Lavatory Door Accessories

Polished Brass Metal, Nickel Plated



**Type 1231
Door Pull**

Bases $\frac{5}{8} \times 1\frac{1}{8}$ ". Length $4\frac{1}{2}$ ".

No. 1231.....Each \$0.70

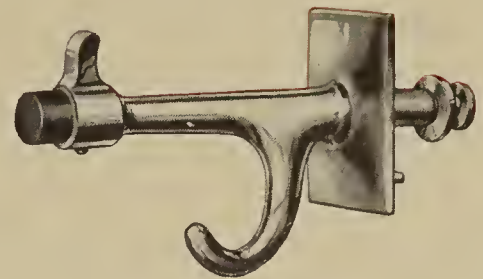


**Type 1233
Hook and Bumper**

Base $1\frac{1}{2} \times 2$ ". Projection $3\frac{3}{4}$ ".

For Lavatory Stall Doors.

No. 1233.....Each \$1.60



**‡Type 1234
Hook and Bumper**

Base $1\frac{1}{2} \times 2$ ". Projection $3\frac{3}{4}$ ".

For Door or Partition—Specify Thickness.

No. 1234.....Each \$1.90

‡Same design and size as No. 1233, except spindle projects through door or partition and is fastened with one screw and washer. A projecting dowel prevents it from turning.

For Bright Brass Metal (US3 finish) and Bright Bronze Metal (US9 finish) use list price.

For Oxidized finishes add 10% to list price.

For Bright Chromium Plated finish (US26 finish) or Dull Chromium Plated finish (US26D finish) add 20% to list price.

For White Bronze (US25 finish) add 25% to list price and for White Bronze Chromium Plated finish add 45% to list price.

Fastenings

(Bolts, Nuts and Washers)

Polished Brass Metal, Nickel Plated



Type 60



Type 80



Type 100



Type OS110



Type 160



Type O160



Type 5



Type 140



Type 114

No.	Description	PRICE PER HUNDRED	
		Nickel Plated Brass Metal	Chromium Plated Brass Metal
*Type 60	$\frac{1}{4}$ -20 x $1\frac{1}{4}$ in. with Type 160 Nut.....	\$ 9.30	\$15.90
*Type O60	$\frac{1}{4}$ -20 x $1\frac{1}{4}$ in. with Type O160 Nut.....	9.30	15.90
*Type 80	$\frac{1}{4}$ -20 x $1\frac{1}{4}$ in. with Type 160 Nut and Type 5 Washer.....	10.90	17.60
*Type O80	$\frac{1}{4}$ -20 x $1\frac{1}{4}$ in. with Type O160 Nut and Type 5 Washer.....	10.90	17.60
*Type 100	Screws (flat head slotted) $\frac{1}{4}$ -20 x $\frac{1}{2}$ in. Sleeve $\frac{3}{8}$ x $\frac{7}{8}$ in.....	16.00	22.00
*Type OS110	Screws (oval head spanner) $\frac{1}{4}$ -20 x $\frac{1}{2}$ in. Sleeve $\frac{3}{8}$ x $\frac{7}{8}$ in.....	20.30	25.30
Type 160	Cap Nut (closed) $\frac{1}{4}$ -20 thread.....	2.50	5.80
Type O160	Cap Nut (open) $\frac{1}{4}$ -20 thread.....	2.50	5.80
Type 5	Flat Washer, $\frac{3}{4}$ in. diam., $\frac{1}{4}$ in. hole.....	1.60	5.00
Type 15	Countersunk Washer, $\frac{3}{4}$ in. diam., $\frac{1}{4}$ in. hole.....	5.20	7.50
Type 140	Lead Anchor with brass wood screw 14 x $1\frac{1}{4}$	11.00	14.00
Type 114	Expansion Sleeve, $\frac{3}{4}$ in. long, with brass machine screw $\frac{1}{4}$ -20 x $1\frac{1}{4}$ in.....	13.50	16.50
Type 90	Steel Toggle head only, $\frac{1}{4}$ -20 thread, unfinished.....	\$11.50	

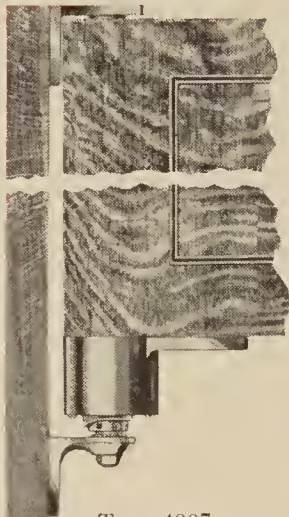
*For each additional $\frac{1}{4}$ in. greater than $1\frac{1}{4}$ in. between faces of nuts or face of nut and screw add \$0.50 net per hundred. This same addition applies to sleeves over $\frac{7}{8}$ in. long.

Unless otherwise specified, our lavatory door equipment will be supplied with type of bolt illustrated and size of bolt that is our standard.

Telegraph code, page 53. Description of finishes, page 6.

Chicago "Sagless" Spring Pivot-Hinges

Double Acting—For Gates or Dwarf Doors—Ball-Bearing—Alignment Feature



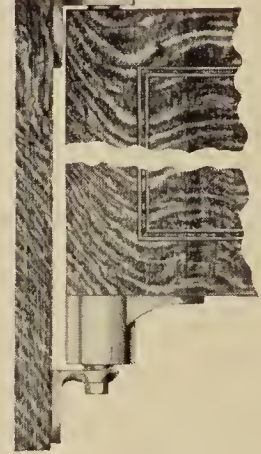
Type 4007
Adjustable Tension.
Clearance under Gate
not less than 5 in.
Thickness of Gate or
Handrail 1½ to 2½ in.



Type 6007
Clearance under Gate
not less than 4½ in.
Thickness of Gate or
Handrail ¾ to 2½ in.



Type 6007M-RB
Clearance under Gate
not less than 1¾ in.
Thickness of Gate or
Handrail ¾ to 2½ in.



Type 7007
Thickness of Gate or
Handrail ¾ to 2 in.
Same design as Type 6007, ex-
cept it is smaller and has less
spring power.

IRON POLISHED (Description of Finishes, Page 6)	U. S. Standard Finish Symbol	Type 4007 or Type 4007M-RB		Type 6007 or Type 6007M-RB	
		No.	Price Per Set	No.	Price Per Set
Dead Black (Unpolished) Japanned	US1D	4007	\$4.30	6007	\$3.90
Brass, Bright Plated	US3	4117	6.40	6117	5.80
Brass, Dull " "	US4	4287	"	6287	"
Brass, Oxidized, Dull " "	US5	4277	"	6277	"
Bronze, Bright " "	US9	4137	"	6137	"
Bronze, Dull " "	US10	4297	"	6297	"
Bronze, Oxidized, Dull " "	US11	4237	"	6237	"
Statuary Bronze " "	US20	4317	"	6317	"
Copper, Oxidized, Bright " "	US8	4177	"	6177	"
*Zinc, Dull (Galvanized) " "	US2G	4397	"	6397	"
Nickel, Bright " "	US14	4217	7.60	6217	6.90
Nickel, Dull " "	US15	4027	"	6027	"
Nickel, Sanded " "	US16	4187N	"	6187N	"
Brass, Oxidized, Sanded " "	US6	4187OB	"	6187OB	"
Bronze, Oxidized " " " " " "	US12	4187OBZ	"	6187OBZ	"
Statuary Bronze, " " " " " "	US21	4187SB	"	6187SB	"
Dull Black (Ox'd), " " " " " "	US19	4167	"	6167	"
Bower Barff " "	US18	4127	8.40	6127	7.60
Chromium, Bright Plated	US26	4997	See note	6997	See note
Chromium, Dull " "	US26D	4987	" "	6987	" "
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)		No.		No.	
Brass Metal, Bright	US3	4057	\$10.70	6057	\$ 9.70
Bronze " " " " " "	US9	4047	"	6047	"
Brass " Dull	US4	4077	11.90	6077	10.80
Brass " Oxidized, Dull	US5	4197	"	6197	"
Bronze " Dull	US10	4067	"	6067	"
Bronze " Oxidized, Dull	US11	4257	"	6257	"
Bronze " Statuary	US20	4367	"	6367	"
Brass " Ox'd Copper Plated	US8	4097	"	6097	"
Brass " Bright Nickel	US14	4227	"	6227	"
Brass " Dull Nickel	US15	4267	"	6267	"
Brass " Nickel, Sanded	US16	4387N	"	6387N	"
Brass " Oxidized, Sanded	US6	4387OB	"	6387OB	"
Bronze " " " " " " " "	US12	4387OBZ	"	6387OBZ	"
Bronze " Statuary, Sanded	US21	4387SB	"	6387SB	"
Brass " Bright Chromium . Plated	US26	4407	See note	6407	See note
Brass " Dull Chromium	US26D	4427	" "	6427	" "

Type 4007
The important and exclusive features of this hinge are: spring tension which may be easily adjusted after the hinge has been applied and an extra ball-bearing in the top socket which eliminates friction and wear.

It also has an adjustable pintle, with locking device, which permits setting the gate to remain at rest in any desired position.

The spring is made of best tempered steel flat wire and is large enough for heavy duty conditions, but the adjustable tension makes it equally suited to light gates.

The application is extremely simple as it is applied to the surface of the gate post and if desired the top socket may be applied to the surface of the gate. This hinge is also made, to mortise into gate, with reverse brackets similar to Type 6007M-RB and is Type 4007M-RB. Clearance under gate not less than 2¾ in.

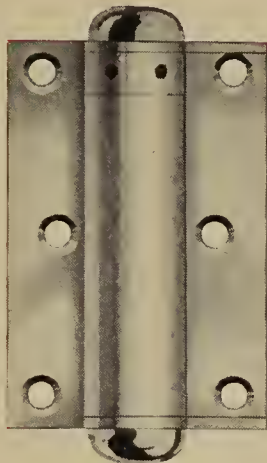
Type 6007
The Type 6007 hinge is also of the Sagless Type but has not the exclusive features of the Type 4007. It will be found highly satisfactory where, for economy, these features must be omitted.

If the gate extends near the floor level, use Type 6007M-RB hinge. This hinge is mortised into the gate and requires a clearance of only 1¾ inches under the gate.

Type 7007
The Type 7007 hinge is the same general design as the Type 6007, except that it is smaller and has less spring power. List prices for Type 7007 finishes are the same as for Type 6007 finishes. Finish numbers correspond except for first digit.

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.
For Chromium Plated, bright or dull, on steel add 25% to list price of Steel Nickel Plated and on brass metal add 20% to list price of Brass Nickel Plated.
The finishes listed are standard. If a special finish is desired, send a sample or description.
Packed one set in a box with screws of same finish and instructions for applying.
Telegraph code, page 53. Table of weights, page 60. Detail drawings with measurements, page 59.

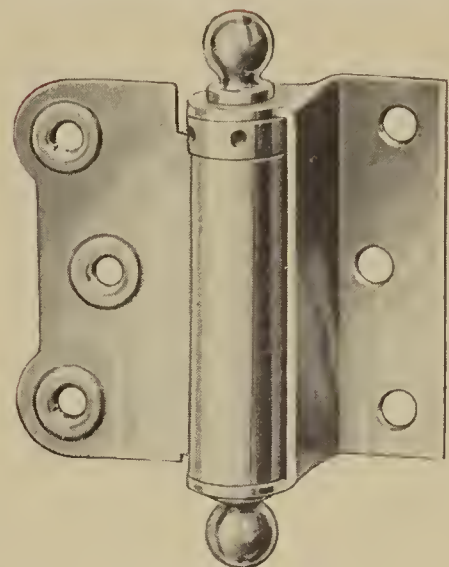
Chicago Cabinet and Refrigerator Spring Hinges



Type 6005
Size 3 x 2 In.



Type 5005
Size 3 x 2 In.



Type 14005
Size 3 x 3 1/4 In. with 3/8 In. Offset

STEEL PLANISHED (Description of Finishes, Page 6)	U. S. Standard Finish Symbol	Type 6005		Type 5005		Type 14005	
		No.	Price per Pr.	No.	Price per Pr.	No.	Price per Pr.
Dead Black.....Japanned	US1D	6005	\$1.40	5005	\$1.20	14005	\$1.60
Brass, Bright.....Plated	US3	6115	1.80	5115	1.60	14115	2.00
Brass, Dull....."	US4	6285	"	5285	"	14285	"
Brass, Oxidized, Dull....."	US5	6275	"	5275	"	14275	"
Bronze, Bright....."	US9	6135	"	5135	"	14135	"
Bronze, Dull....."	US10	6295	"	5295	"	14295	"
Bronze, Oxidized, Dull....."	US11	6235	"	5235	"	14235	"
Statuary Bronze....."	US20	6315	"	5315	"	14315	"
Copper, Oxidized, Bright....."	US8	6175	"	5175	"	14175	"
*Zinc, Dull (Galvanized)....."	US2G	6395	"	5395	"	14395	"
Nickel, Bright....."	US14	6215	2.40	5215	2.10	14215	2.60
Nickel, Dull....."	US15	6025	"	5025	"	14025	"
Nickel, Sanded....."	US16	6185N	"	5185N	"	14185N	"
Brass, Oxidized, Sanded....."	US6	6185OB	"	5185OB	"	14185OB	"
Bronze, " " "....."	US12	6185OBZ	"	5185OBZ	"	14185OBZ	"
Statuary Bronze, " " "....."	US21	6185SB	"	5185SB	"	14185SB	"
Dull Black (Oxidized), Sanded....."	US19	6165	"	5165	"	14165	"
Chromium, Bright....."	US26	6995	Price on Appl'n	5995	Price on Appl'n	14995	Price on Appl'n
Chromium, Dull....."	US26D	6985		5985		14985	
BRASS OR BRONZE METAL POLISHED (Description of Finishes, Page 6)		No.		No.		No.	
Brass Metal, Bright.....	US3	6055	\$3.70	5055	\$3.30	14055	\$4.00
Bronze " " ".....	US9	6045	"	5045	"	14045	"
Brass " Dull.....	US4	6075	4.20	5075	3.70	14075	4.50
Brass " Oxidized, Dull.....	US5	6195	"	5195	"	14195	"
Bronze " Dull.....	US10	6065	"	5065	"	14065	"
Bronze " Oxidized, Dull.....	US11	6255	"	5255	"	14255	"
Bronze " Statuary.....	US20	6365	"	5365	"	14365	"
Brass " Bright Nickel.....Plated	US14	6225	"	5225	"	14225	"
Brass " Dull Nickel....."	US15	6265	"	5265	"	14265	"
Brass " Oxidized, Sanded.....	US6	6385OB	"	5385OB	"	14385OB	"
Brass " Bright Chromium.....Plated	US26	6405	See note	5405	See note	14405	See note
Brass " Dull Chromium....."	US26D	6425	" "	5425	" "	14425	" "

Type 6005 and 5005 Chicago Cabinet Door Spring Hinges are specially suitable for small doors on cabinets, display cases and lockers or other doors having a stile as narrow as one inch.

Type 14005 Chicago Refrigerator Spring Hinges are designed for refrigerator or other doors requiring a hinge with 3/8 inch offset. They can be supplied with different offsets on special order. Information regarding other Types of Refrigerator Spring Hinges and Cooler Door Closers will be sent on request.

The springs, which operate these hinges, are made of the best tempered steel wire, are enclosed to protect them against moisture, and present a neat appearance. A tension adjustment is provided for regulating the action of the spring.

When so ordered, these hinges will be furnished with reverse acting springs to hold the door open.

*For plated finishes on Zinc Plated finish add 10% to the list price of finish wanted.

For Chromium Plated, bright or dull, on brass metal add 20% to list price of Brass Nickel Plated.

The finishes listed are standard. If a special finish is desired, send a sample or description.

Packed one pair in a box with screws of same finish and tension adjuster.

In ordering always state "Number."

Telegraph code, page 53. Table of weights, page 60.

TRADE **CHICAGO** MARK

SPRING HINGES

Chicago "Triplex" Clamp-Flange Spring Hinges

Double Acting Type 12001
For Metal Covered Doors



Type 12001

Length of Flange			INCHES		
			8	10	12
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER PAIR		
Dead Black.....Japanned	12001	US1D	\$18.00	\$24.70	\$31.10
Primed.....For Painting	12011	USP	"	"	"
Brass, Bright.....Plated	12111	US3	24.30	33.30	42.00
Brass, Dull....."	12281	US4	"	"	"
Bronze, Bright....."	12131	US9	"	"	"
Bronze, Dull....."	12291	US10	"	"	"
*Zinc, Dull (Galvanized)....."	12391	US2G	"	"	"
Nickel, Bright....."	12211	US14	28.80	39.40	49.80

Specification Schedule

Length of Flanges	†Thickness of Door	Depth of Clamp	Width of Door Stile Not Less Than	Bolts for Clamp Flange
8 inches	1½ to 1¾ in.	3 inches	3⅝ inches	5—¼ inch
10 inches	1¾ to 2 in.	3 inches	3⅝ inches	5—⅝ inch
12 inches	2 to 2½ in.	4 inches	4¾ inches	5—⅜ inch

†Always state exact thickness of door.

Use the largest size hinge which the thickness of door will allow.

The Chicago "Triplex" Clamp-Flange Spring Hinge has been designed for use on heavy metal covered doors. The clamp flange is attached to the door with five through bolts and provides a secure method of attaching the hinge to this type of door.

If doors are extra heavy or subject to frequent use, it is better to use three hinges to a door.

Flat head machine screws will be furnished for applying jamb flange unless wood screws are specified.

For Doors without Hanging Strip, Type 19001

For doors to be hung without a hanging strip, use the "Simplex" Clamp-Flange Spring Hinge.

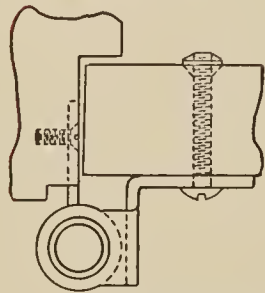
This hinge is made in 8 and 10 inch sizes at the same prices as the "Triplex" Clamp-Flange Spring Hinge.

Spring Hinges with Two Clamp Flanges, Type 22001

The "Triplex" Spring Hinge can be furnished with two clamp flanges for use where hanging strip of sufficient width is provided. Price will be quoted on application.



Type HS2002



Chicago "Triplex" Half Surface Spring Hinges

Single Acting Type HS2002

For Metal Covered Doors

Length of Flange			INCHES		
			4	6	7
STEEL PLANISHED (Description of Finishes, Page 6)	No.	U. S. Standard Finish Symbol	PRICES PER PAIR		
Dead Black.....Japanned	HS2002	US1D	\$3.40	\$4.80	\$6.10
Primed.....For Painting	HS2012	USP	"	"	"
Brass, Bright.....Plated	HS2112	US3	4.50	6.70	8.60
Brass, Dull....."	HS2282	US4	"	"	"
Brass, Oxidized, Dull....."	HS2272	US5	"	"	"
Bronze, Bright....."	HS2132	US9	"	"	"
Bronze, Dull....."	HS2292	US10	"	"	"
Bronze, Oxidized, Dull....."	HS2232	US11	"	"	"
Statuary Bronze....."	HS2312	US20	"	"	"
Copper, Oxidized, Bright....."	HS2172	US8	"	"	"
*Zinc, Dull (Galvanized)....."	HS2392	US2G	"	"	"
Nickel, Bright....."	HS2212	US14	5.80	8.60	11.10
Nickel, Dull....."	HS2022	US15	"	"	"

The Type HS2002 Half Surface Spring Hinge is designed for application to metal doors and jambs used as fire protection.

Unless otherwise specified the 6 in. and 7 in. hinges are furnished with F. H. machine screws for jamb flange and ⅝ in. x 2⅝ in. R. H. bolts with grommet nuts for door flange for 1¾ in. doors. The 4 in. hinge is furnished with F. H. machine screws 8-32 x ½ in. for jamb flange and R. H. machine screws 10-24 x ½ in., without nuts for the door flange.

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

The finishes listed are standard. If a special finish is desired, send a sample or description.

In ordering, always state "Number" and "Size".

Packed with screws and bolts of same finish, also tension adjuster.

TRADE **CHICAGO** MARK

SPRING HINGES

Chicago "Hi-Duty" Spring Butt-Hinge

Double Acting

For Extra Heavy Doors in Trucking Doorways



Specially Constructed For High Duty Conditions And To Resist Violent Use



Type CS1
"Hi-Duty" Spring
Hinge

Many Architects and Engineers do not realize the amount of abuse given to hinges where trucks pass through a doorway. Unless a specially constructed hinge for this purpose is specified, the repair expense is continual.

Where hinges are in operation that continually require repairs, it is economy to promptly replace them with specially constructed "Hi-Duty" Spring Hinges.

The spring of this hinge is located between the door and casing so it is protected from trucks as they pass through the doorway.

The hinge has a multiple of large bearings to carry the weight of the door and the pins are securely held in place by a pin locking device. The clamp flange is an integral part of the hinge.

The entire construction is of heavy, cast, special process malleable iron and will resist excessive violence.

This hinge has two axes which permits opening the door 180 degrees. It is preferable to a pivot hinge which brings the door in contact with the casing before it is entirely open and usually results in damage.

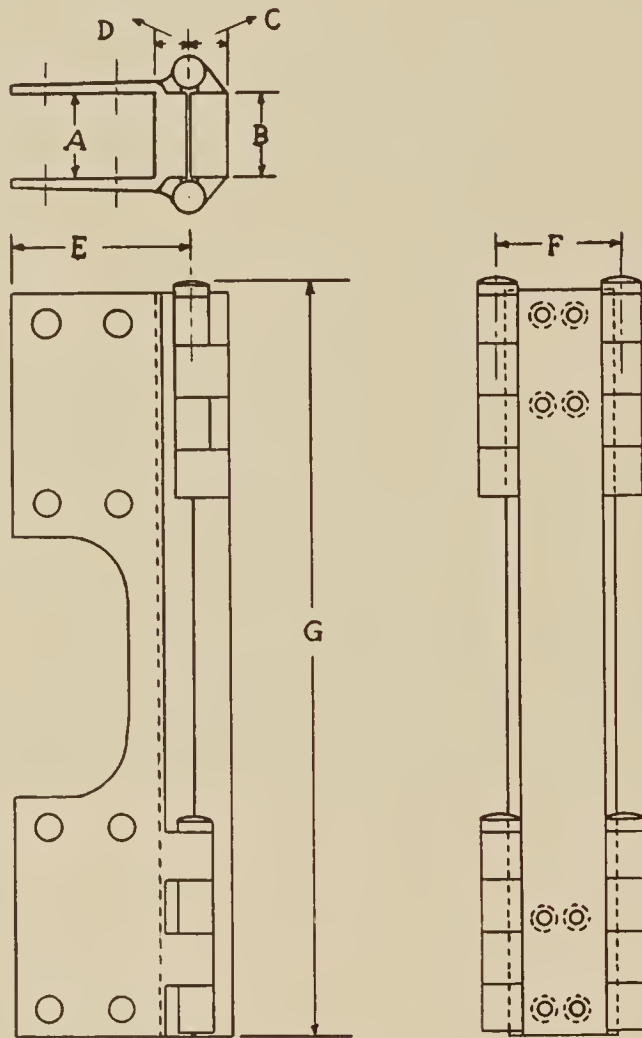
Although this is a two axes hinge the spring chamber is between the door and casing and does not project beyond the surface of the door.

Chicago "Hi-Duty" Spring Butt-Hinges

Double Acting

For Extra Heavy Doors in Trucking Doorways

For Right or Left Hand Doors



Type CS1
"Hi-Duty" Spring Hinge

Features

Heavy Cast Construction

Special Process Malleable Iron

Spring Protected From Trucks

Multiple Large Bearings

Pin Locking Device

Easily Applied

Clamp Flange Integral Part of Hinge

Cast Malleable Iron

(Unpolished Metal)

Hinge Size	Prices Per Pair			
	Dead Black Japanned No. CS1	Prime Coated No. CS11	Dull Zinc Plated No. CS391	Zinc Hot Dipped No. CS1-ZH
1 3/4	\$41.00	\$41.00	\$49.00	\$51.00
2 1/4	50.00	50.00	60.00	62.00
2 3/4	65.00	65.00	78.00	81.00

Always specify the finish number and size, when ordering.
Packed in a box, complete with bolts and screws.

SCHEDULE OF DIMENSIONS

For hollow metal doors or wood doors over 3 ft. wide with large metal plates,
we recommend three hinges for each door.

Hinge Size	* Door Thickness A	Approximate Dimensions—In Inches						Approximate Weight Per Pair
		B	C	D	E	F	G	
1 3/4	1 3/4 in.	1 3/4	3/4	13/16	3 13/16	2 9/16	15 3/4	30 lbs.
2 1/4	2 1/4 in.	2 1/4	7/8	1	4	3 5/32	20 3/8	54 lbs.
2 3/4	2 3/4 in.	2 3/4	1	1 1/16	4 1/16	3 5/8	23 1/2	77 lbs.

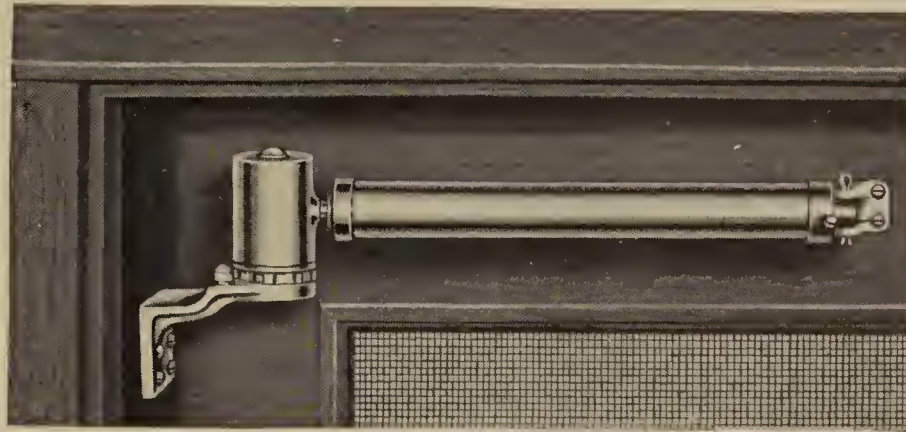
*For doors 2 inches thick, the 2 1/4 size is supplied with 2-inch clamp flanges.

*For doors 2 1/2 inches thick, the 2 3/4 size is supplied with 2 1/2-inch clamp flanges.

Supplied with hexagonal head bolts and nuts for door clamp flange and machine screws for casing flange.
A template blue print will be supplied, on request.

Chicago Checking Door Closer

Pneumatic Check Control—Heavy Duty Spring
For Screen Doors, Light Interior Doors and Office Gates
Adjustable Spring Tension—Concealed Spring—Adjustable Checking Valve

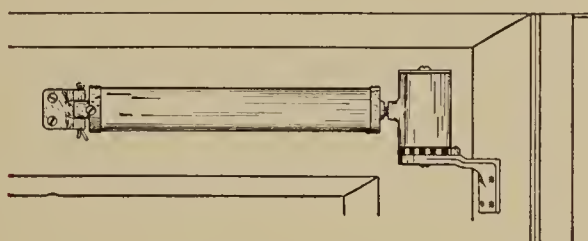


Type 25 and Type 125

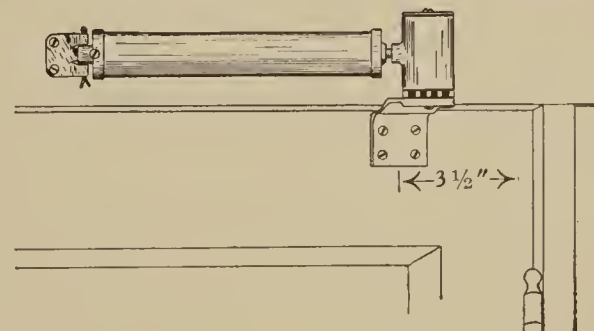
Heavy Iron Metal
(Brass Metal Checking Cylinder)

FINISH (Unpolished Metal)	Without Shock Absorber		With Shock Absorber	
	Number	Price Each	Number	Price Each
Bronze Color Lacquer Finish	25BL	\$2.60	125BL	\$3.00
Dull Nickel Color " "	25DNL	2.60	125DNL	3.00
Statuary Bronze Color " "	25SBL	2.60	125SBL	3.00
Zinc, Dull (Galvanized) Plated "	25ZP	3.70	125ZP	4.10

Method of Application



Application on Reverse Side
of Door from Hinge Axis



Application on Side of
Door with Hinge Axis

The closer may be applied to either side of door, as best suited to conditions.

Type 125

Closer With Spring Cushion Shock Absorber

The Type 125 Door Closer is particularly suitable for combination screen and storm doors as it has the added feature of a spring cushion shock absorber. This shock absorber begins to offer resistance when the door is opened beyond approximately 80 degrees.

The resistance increases as the door continues to open and reduces the speed of the door, which checks it from being violently opened far enough to cause damage to the door, hinges or casing.

Special Features

Type 25 and Type 125

These checking door closers have heavy construction in all parts. The spring is large for heavy duty, with tension adjustment for regulating spring action to varying conditions. Spring is concealed, thereby giving it proper protection and improving the appearance of the closer.

The checking cylinder is brass metal which avoids corrosion and the checking action is controlled by a needle point valve screw which can be easily adjusted at any time. The valve screw turns against the friction of a small compression spring, so it will remain where it is placed.

The attaching plate at the valve end of the checking cylinder is fastened with a large cotter pin. By removing this pin and the screw which fastens the bracket to the closer, the door can be taken down without removing any wood screws.

These closers are particularly suitable where there is a limited space between the screen door and the entrance door. Although they have a heavy duty spring they can be applied in a space as narrow as 2 inches.

Telegraph code, page 53. Table of weights, page 60.

Type 4005
Half Surface
Flange 3 Inches

These Screen Door Hinges are made of heavy wrought metal. The springs are made of tempered steel wire and are entirely enclosed. The finish is excellent and the workmanship of highest quality.

Type 4005 Screen Door Hinges are necessary when the surface of the casing and door are not flush, or when the design of the casing is not suitable for a surface flange.

*For plated finishes over Zinc Plated finish add 10% to the list price of finish wanted.

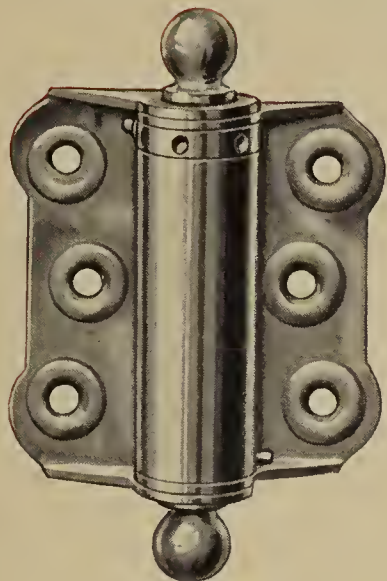
For Chromium Plated, bright or dull, on brass metal add 20% to list price of Brass Nickel Plated.

Packed one pair in a box, with screws of same finish and tension adjuster.

When so ordered, these hinges will be furnished with reverse acting springs, to hold the door open.

Telegraph code, page 53. Table of weights, page 60.

Chicago Screen Door Spring Hinges



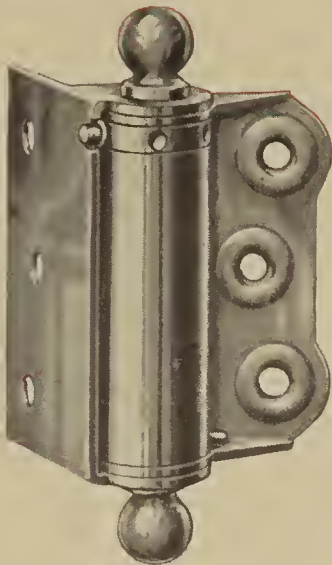
Type 28005
Surface
 Size 2¾x2¾ Inches

Detachable Type Adjustable Tension

These hinges are detachable and by releasing the tension and removing the ball tip a door may be taken down without removing any screws.

An adjustable tension is also provided and the spring action may be regulated according to the weight of the door or to meet the wishes of the individual.

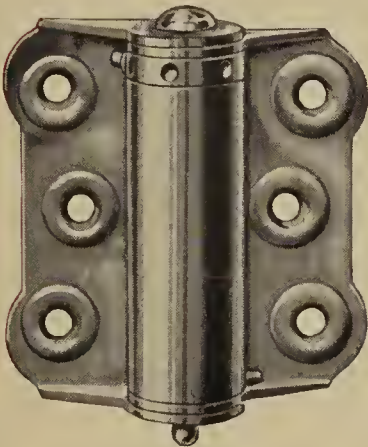
In addition to the above features these hinges are substantially constructed of heavy gauge metal and equipped with a quality spring of ample proportions.



Type 38005
Half Surface
 Flange 2¾ Inches

STEEL	U. S. Standard Finish Symbol	Type 28005		Type 38005		
		No.	Price Per Dozen Pairs	No.	Price Per Dozen Pairs	
Dead Black.....	Japanned	US1D	28005	\$ 9.60	38005	\$ 9.60
Primed.....	For Painting	USP	28015	9.60	38015	9.60
Brass, Dull.....	Plated	US4	28285	10.80	38285	10.80
Copper, Oxidized, Bright.....	“	US8	28175	10.80	38175	10.80
Zinc, Dull (Galvanized).....	“	US2G	28395	10.80	38395	10.80
Nickel, Bright.....	“	US14	28215	12.00	38215	12.00
Brass, Oxidized, Sanded.....	“	US6	28185OB	12.00	38185OB	12.00

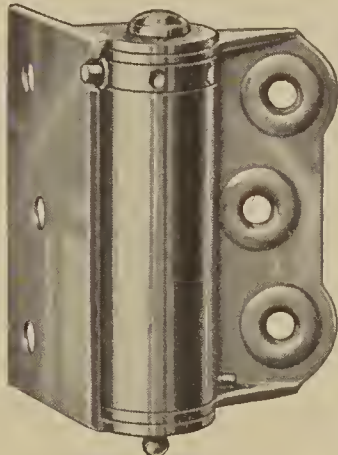
Chicago Screen Door Spring Hinges



Type 8005
Surface
 Size 2¾x2¾ Inches

Detachable Type—Loose Pin Adjustable Tension

These hinges are similar in construction to Type 28005 and 38005, described above, but do not have ball tips. They may be classed as of the loose pin type because by releasing the tension the hinge pin may be drawn in the same manner as an ordinary loose pin butt. This detachable feature permits taking down the door without removing any screws and is a great convenience.



Type 18005
Half Surface
 Flange 2¾ Inches

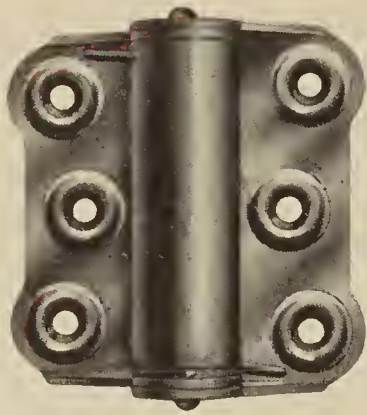
STEEL	U. S. Standard Finish Symbol	Type 8005		Type 18005	
		No.	Price Per Dozen Pairs	No.	Price Per Dozen Pairs
Dead Black Japanned	US1D	8005	\$ 8.40	18005	\$ 8.40
Primed For Painting	USP	8015	8.40	18015	8.40
Brass, Dull Plated	US4	8285	9.60	18285	9.60
Copper, Oxidized, Bright “	US8	8175	9.60	18175	9.60
Zinc, Dull (Galvanized) “	US2G	8395	9.60	18395	9.60
Nickel, Bright “	US14	8215	10.80	18215	10.80
Brass, Oxidized, Sanded “	US6	8185OB	10.80	18185OB	10.80

Packed one pair in a box, with screws of same finish and tension adjuster.
 Telegraph code, page 53. Table of weights, page 60.

Chicago Screen Door Spring Hinges

Wrought Steel Non-Adjustable Tension

Size 2 $\frac{3}{4}$ x 2 $\frac{3}{4}$ Inches



Type 505

STEEL	No.	U. S. Standard Finish Symbol	Per Dozen Pairs
Bright Black.....Japanned	505, Without Screws	US1B	\$ 2.20
Bright Black....."	505X, With "	US1B	3.30
Primed.....For Painting	595P " "	USP	3.30
Brass, Dull.....Plated	585 " "	US4	4.10
Copper, Ox'd, Bright....."	575 " "	US8	4.10
Zinc, Dull (Galvanized)....."	595ZP " "	US2G	4.10
Nickel, Bright....."	525 " "	US14	4.70

Packed 1 dozen pairs in a box; 1 gross to a case.

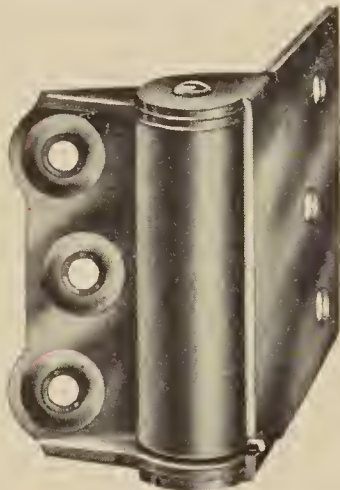
Screen Door Sets

STEEL	No.	U. S. Standard Finish Symbol	Set Includes	Per Dozen Sets
Bright Black.....Japanned	1505	US1B	1 Pair 505 Hinges, Door Pull, Hook and Eye	\$ 4.30
Primed.....For Painting	1595P	USP	1 " 595P " " " " " "	4.30
Brass, Dull.....Plated	1585	US4	1 " 585 " " " " " "	5.30
Copper, Ox'd, Bright....."	1575	US8	1 " 575 " " " " " "	5.30
Zinc, Dull (Galvanized)....."	1595ZP	US2G	1 " 595ZP " " " " " "	5.30

Packed 1 set in a box, complete with screws of same finish; 1 gross to a case.

Half Surface—Wrought Steel Non-Adjustable Tension

Flange 2 $\frac{3}{4}$ Inches



Type 605

STEEL	No.	U. S. Standard Finish Symbol	Per Dozen Pairs
Bright Black.....Japanned	605, Without Screws	US1B	\$ 3.20
Bright Black....."	605X, With "	US1B	4.30
Primed.....For Painting	695P " "	USP	4.30
Brass, Dull.....Plated	685 " "	US4	5.00
Copper, Ox'd, Bright....."	675 " "	US8	5.00
Zinc, Dull (Galvanized)....."	695ZP " "	US2G	5.00

Packed 1 dozen pairs in a box; 1 gross to a case.

Screen Door Sets—Half Surface

STEEL	No.	U. S. Standard Finish Symbol	Set Includes	Per Dozen Sets
Bright Black.....Japanned	1605	US1B	1 Pair 605 Hinges, Door Pull, Hook and Eye	\$ 5.30
Primed.....For Painting	1695P	USP	1 " 695P " " " " " "	5.30
Brass, Dull.....Plated	1685	US4	1 " 685 " " " " " "	6.20
Copper, Ox'd, Bright....."	1675	US8	1 " 675 " " " " " "	6.20
Zinc, Dull (Galvanized)....."	1695ZP	US2G	1 " 695ZP " " " " " "	6.20

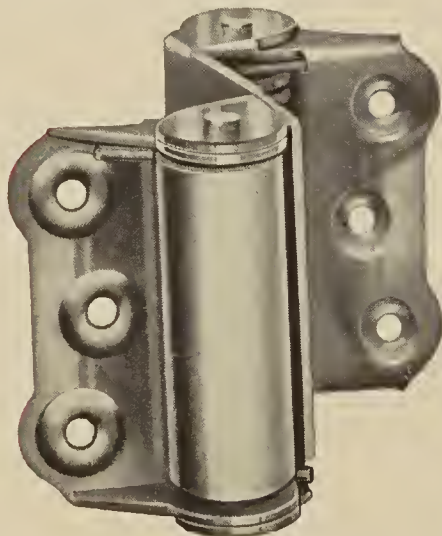
Packed 1 set in a box, complete with screws of same finish; 1 gross to a case.

These Screen Door Hinges are substantially constructed throughout. They have broad bearings at each end and a covered, tempered wire spring, making a durable and attractive hinge for screen door use.

Chicago Screen Door and Gate Spring Hinges

Double Acting—Wrought Steel

For Doors or Gates 1 to 1 $\frac{1}{8}$ Inches Thick



Type 7005 Double Acting
Flange, 2 $\frac{3}{4}$ Inches

STEEL	No.	U. S. Standard Finish Symbol	Price Per Dozen Pairs
Bright Black.....Japanned	7005	US1B	\$ 8.60
Brass, Dull.....Plated	7285	US4	10.00
Copper, Oxidized, Bright....."	7175	US8	10.00
Zinc, Dull (Galvanized)....."	7395	US2G	10.00
Nickel, Bright....."	7215	US14	11.00
Brass, Oxidized, Sanded....."	7185OB	US6	11.00

Packed half dozen pairs in a box, with screws of same finish.

This hinge is applied to the surface of the door and hanging strip which avoids mortising.

The hinge is made of wrought planished steel which gives an attractive plated finish. These hinges are preferable to cast iron both as to material and finish.

The springs are made of tempered steel wire giving good service and they are enclosed which makes a good appearance.

Telegraph code, page 53. Table of weights, page 60.

Chicago Door Springs

Adjustable Tension

Type 280

IRON METAL, POLISHED
(Steel Springs)



Sizes
13 & 14 In.

Length Inches Overall	No.	Bright Black Japanned US1B Per Dozen (Unpolished)	No.	Bronze Plated US9 Per Dozen	No.	Oxidized Copper US8 Per Dozen	No.	Nickel Plated US14 Per Dozen
9	280	\$2.60	230	\$9.10	290	\$9.10	260	\$10.20
10	280½	3.30	230½	10.60	290½	10.60	260½	11.60
11	281	4.10	231	12.10	291	12.10	261	13.30
12	281½	5.20	231½	13.60	291½	13.60	261½	15.00
13	282	5.90	232	15.00	292	15.00	262	16.50
14	283	7.90	233	18.30	293	18.30	263	20.20

BRASS OR BRONZE METAL, POLISHED
(Plated Steel Springs)

Length Inches Overall	No.	Brass Metal US3 Per Dozen	No.	Bronze Metal US9 Per Dozen	No.	Oxidized Copper US8 Per Dozen	No.	Nickel Plated US14 Per Dozen
9	250	\$13.70	240	\$13.70	210	\$15.10	220	\$15.10
10	250½	15.20	240½	15.20	210½	16.80	220½	16.80
11	251	16.70	241	16.70	211	18.30	221	18.30
12	251½	19.30	241½	19.30	211½	21.30	221½	21.30
13	252	22.00	242	22.00	212	24.20	222	24.20
14	253	29.90	243	29.90	213	32.90	223	32.90



Sizes
9, 10, 11
& 12 In.

Packed: 9 to 12 inch, 1 dozen in box; 13 and 14 inch, ½ dozen in box.

1 Gross in a case.

All springs, except Japanned finish, packed with screws to match finish.

Each spring is supplied with a tension adjuster and tension rivet for holding the tension.

Special Features

This door spring is substantially constructed and has a symmetrical appearance. The parts are fastened together, so they are never misplaced. It does not require a special tool to apply the tension on the spring.

Chicago "Reliance" Door Springs

Adjustable Tension

Type 270

IRON METAL
(Steel Springs)



Length Inches Overall	No.	Bright Black Japanned US1B Per Dozen
7	270L	\$3.20
8	270M	4.30
10	270H	6.70

Packed: 7 inch, 1 dozen in box; 8 and 10 inch, ½ dozen in box.

1 Gross in a case. Each spring is supplied with a tension adjuster and tension rivet for holding the tension.

All springs packed without screws.

Special Features

This door spring is designed with heavy ends having a projecting flange with three screw holes, thereby giving unusually secure application. The spring is of large diameter and heavy gauge wire. Its weight and power cannot be determined by comparing the length with other types of door springs.

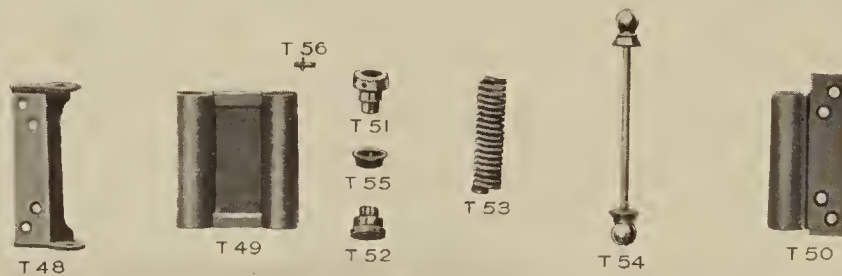
The parts are fastened together, so they are never misplaced. It does not require a special tool to apply the tension on the spring.

Telegraph code, page 53. Table of weights, page 60. Description of finishes, page 6.

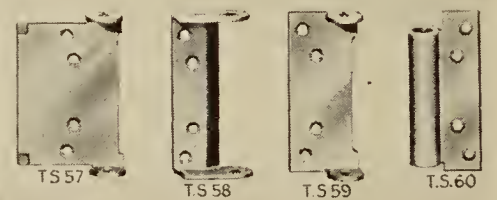
Illustration of Parts

Prices on Page 49

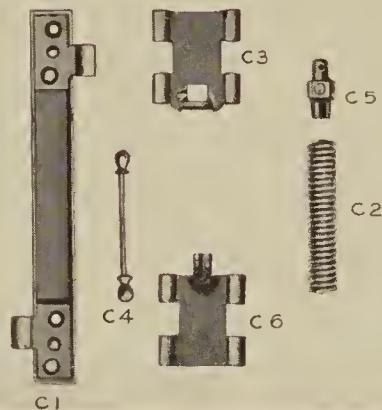
CHICAGO "TRIPLEX" SPRING BUTT-HINGE
(Double and Single Acting)



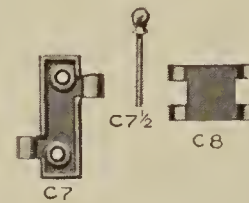
CHICAGO "SIMPLEX" SPRING BUTT-HINGE
(Other parts same as "Triplex")



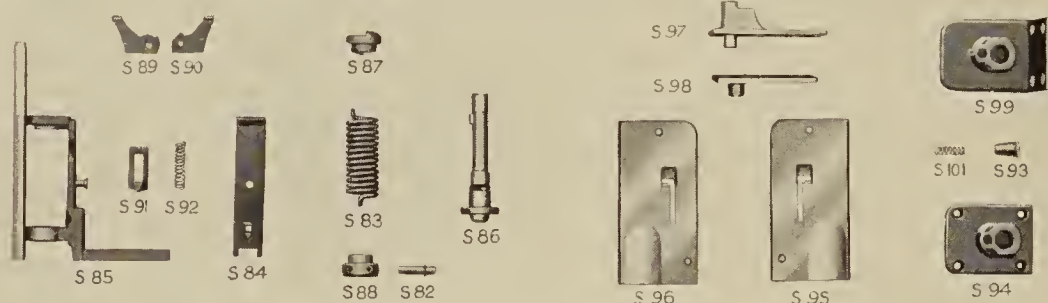
CHICAGO SPRING BUTT-HINGE
(Double Acting)



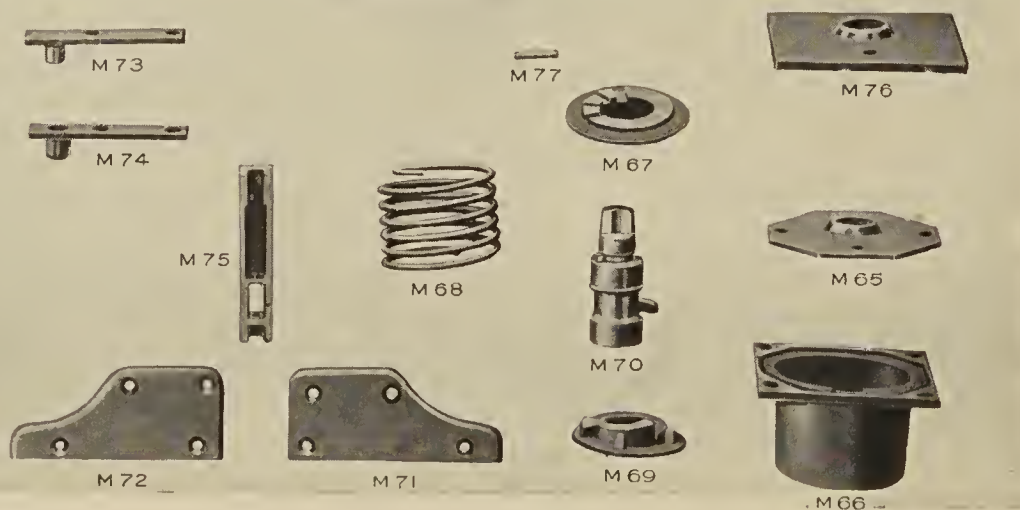
CHICAGO SPRINGLESS BUTT-HINGE
(Double Acting)



CHICAGO "RELAX" SPRING PIVOT-HINGE



CHICAGO SPRING PIVOT-HINGE



Prices of Parts

Illustrated on Page 48

Chicago "Triplex" and "Simplex" Spring Butt-Hinges (Double and Single Acting)

SIZE		NUMBER OF PART (Japanned)												
		T48	T49	T50	T51	T52	T53	T54	T55	T56	TS57	TS58	TS59	TS60
3 in.....	$\frac{3}{4}$ to 1 in.....	\$0.32	\$0.72	\$0.43	\$0.23	\$0.16	\$0.24	\$0.39	\$0.07	\$0.03	\$0.32	\$0.32	\$0.32	\$0.43
4 in.....	$\frac{7}{8}$ to $1\frac{1}{4}$ in.....	.37	.88	.53	.26	.17	.29	.40	.14	.03	.37	.37	.37	.53
5 in.....	$1\frac{1}{8}$ to $1\frac{1}{2}$ in.....	.46	1.08	.65	.29	.20	.35	.43	.20	.03	.46	.46	.46	.65
6 in.....	$1\frac{1}{4}$ to $1\frac{3}{4}$ in.....	.60	1.31	.79	.36	.26	.37	.48	.26	.06	.60	.60	.60	.79
7 in.....	$1\frac{3}{8}$ to 2 in.....	.89	1.86	1.11	.48	.29	.45	.53	.29	.06	.89	.89	.89	1.11
8 in.....	$1\frac{1}{2}$ to $2\frac{1}{4}$ in.....	1.53	2.69	1.61	.66	.42	.58	.65	.40	.09	1.53	1.53	1.53	1.61
10 in.....	$1\frac{3}{4}$ to $2\frac{1}{2}$ in.....	2.48	3.92	2.35	.81	.53	.76	.75	.45	.13	2.48	2.48	2.48	2.35
12 in.....	$2\frac{1}{4}$ to 3 in.....	3.41	5.88	3.53	.92	.62	1.20	.82	.49	.17				

Chicago Spring and Springless Butt-Hinges (Double Acting)

SIZE	NUMBER OF PART (Japanned)								
	C1	C2	C3	C4	C5	C6	C7	C7½	C8
7⁄8 to 1 in.....	\$0.72	\$0.55	\$0.43	\$0.14	\$0.27	\$0.43	\$0.36	\$0.14	\$0.29
1 1⁄8 to 1 1⁄4 in.....	.92	.65	.55	.14	.32	.55	.47	.14	.36
1 3⁄8 to 1 1⁄2 in.....	1.08	.72	.61	.22	.43	.61	.50	.22	.43
1 3⁄4 to 2 in.....	1.44	1.08	.72	.36	.61	.72	.65	.36	.47
2 1⁄4 to 2 1⁄2 in.....	2.88	1.80	1.44	.72	.90	1.44	1.15	.72	.97
2 3⁄4 to 3 in.....	4.32	2.52	2.16	1.08	1.94	2.16	1.80	1.08	1.37

Chicago "Relax" Spring Pivot-Hinges

SIZE	NUMBER OF PART (Japanned)									
	S83	S84	S85	S86	S87	S88	S89	S90	S91	
1⅛ to 1½ in.	\$0.52	\$0.43	\$1.56	\$0.52	\$0.52	\$0.52	\$0.40	\$0.40	\$0.43	
1½ to 2 in.	.72	.65	2.46	.72	.72	.72	.58	.58	.65	
1¾ to 2¾ in.	1.14	.98	3.72	1.14	1.14	1.14	.88	.88	.98	

SIZE	NUMBER OF PART (Japanned)									
	S92	S93	S94	S95	S96	S97	S98	S99	S101	
1⅛ to 1½ in.	\$0.09	\$0.09	\$0.65	\$0.52	\$0.52	\$0.52	\$0.33	\$1.30	\$0.09	
1½ to 2 in.	.13	.13	.86	.72	.72	.72	.49	1.84	.13	
1¾ to 2¾ in.	.19	.19	1.32	1.14	1.14	1.14	.72	2.81	.19	

Chicago Spring Pivot-Hinges

SIZE	NUMBER OF PART (Japanned)											
	M65	M66	M67	M68	M69	M70	M71	M72	M73	M74	M75	M76
$\frac{7}{8}$ to $1\frac{1}{2}$ in.	\$0.56	\$1.73	\$0.56	\$0.39	\$0.50	\$0.66	\$0.52	\$0.52	\$0.33	\$0.33	\$0.40	\$1.05
$1\frac{3}{8}$ to 2 in.	.66	2.23	.66	.53	.60	.86	.60	.60	.50	.50	.56	1.32
2 to $2\frac{1}{2}$ in.	.99	2.56	.99	.84	.88	1.24	.84	.84	.66	.66	.84	1.83
$2\frac{1}{2}$ to $3\frac{1}{2}$ in.	2.12	3.77	1.40	1.20	1.27	1.66	1.20	1.20	1.17	1.17	1.20	2.16

NOTE—For Japanned and unfinished parts, no extra charge.

For Plated parts on steel, add 25%.

For Brass or Bronze metal parts, add 200%.

For Plated parts on Brass or Bronze metal, add 10% to Brass or Bronze metal price.

Transportation charges are additional. A minimum charge of 25 cents is made on any transaction. Charges on goods which are to be repaired or refinished will be made on actual time employed and for such new parts as may be required. Any part RETURNED which shows defective material or workmanship will be replaced gratis.

When ordering parts always specify the part required by LETTER and NUMBER.

Always state the SIZE and FINISH of the hinge for which the part is intended.

If unable to give the required description, send a sample of the part.

Cable Address
Springhing—Chicago

Private Telegraph Code

Codes
Lieber and Private

Chicago "Triplex" Spring Butt-Hinges (Pages 10 and 11)

In specifying the quantity do not say pairs; we assume it.

When ordering "Single Acting Hinges" use word from list below for same finish and size, and prefix the letters "Sin" to the code word.

If single acting hinges are required with reverse acting springs, follow the code word with the word "Reverse."

NUMBERS (Steel Metal)

Flange Inches	2001	2011	2111	2281	2271	2131	2291	2311	2171	2391	2211	2021	2181OB	2161	2991
3.....	tabel	taumz	tadaf	tafad	tahab	tajay	talaw	tapas	taraq	teijm	tatao	tawam	tayak	tecaj	tenyj
4.....	tabga	taunb	taddi	tafde	tahde	tajdo	taley	tapeu	tareu	teika	tates	tawed	taybl	tecie	teoaw
5.....	tabic	tauoc	tadej	taffi	tahij	tajep	talen	tapew	tariy	teibb	tatgu	tawih	tayfc	tecow	teobx
6.....	tabou	taupd	tados	tafoq	taiaz	tajit	talfo	tapgy	tarlo	teime	tatiw	tawoz	taygd	tecqy	teocy
7.....	tabys	tauge	tadqu	tafsu	taibn	tajju	talir	tapin	tasap	teinp	tatky	tawus	taymj	tecup	teodz
8.....	tacag	taurf	tadyp	tafwy	taico	takax	tallu	tapjo	taset	teioq	tauan	taxal	taynw	tedai	teoen
10.....	tacei	tausg	taebf	tagac	taieq	takby	tamav	taqar	tasfu	teirt	taubo	taxec	tayox	tedem	teofo
12.....	tacot	tauth	taefj	tagik	taigs	takis	tamez	taqev	tasjy	teisu	taufs	taxoy	tazea	tedov	teoir

NUMBERS (Brass or Bronze Metal)

Flange Inches	2051	2041	2071	2191	2061	2251	2361	2091	2221	2261	2381N	2381OB	2381SB	2401	2421
3.....	tehae	tejac	temay	tepav	tesas	teuaq	tewao	teynz	theaw	thias	thyad	thonz	tibab	thafg	texoc
4.....	tehim	tejeg	temdo	tepdv	tescu	teubr	tewes	teypo	thebx	thibt	thybe	thopo	tibde	thagh	texqe
5.....	tehor	tejik	temep	tepez	tesew	teucs	tewgu	teyts	theey	thieu	thyfc	thots	tibhi	thahi	texui
6.....	tehux	tejno	temit	tepgu	tesgy	teudt	tewiw	teyvu	thedz	thidv	thydg	thovu	ticaz	thaij	texyn
7.....	tehvy	tejtu	temju	tepiq	tesin	teugw	tewky	tezam	theen	thiew	thyhk	thoyx	ticeq	thajk	texza
8.....	teiad	tejxy	tenax	tepmu	tesjo	teuhx	texan	tezed	thefo	thifx	thyil	thuah	ticiu	thakl	teybb
10.....	teibe	tekab	tenby	teqau	tetar	teuiy	texbo	tezih	their	thigy	thyjm	thubi	ticyl	thalm	teycc
12.....	teigj	tekhi	tenis	teqho	tetev	teukn	texhu	tezoz	themv	thiun	thyog	thuel	tiddo	thama	teydd

Example: 10 Pairs 2001—3 in. "Ten Tabel." 10 Pairs 2002—3 in. "Ten Sintabel." 10 Pairs 2002—3 in. Reverse. "Ten Sintabel Reverse."

Chicago "Simplex" Spring Butt-Hinges (Pages 14 and 15)

In specifying the quantity do not say pairs; we assume it.

When ordering "Single Acting Hinges" use word from list below for same finish and size, and prefix the letters "Sin" to the code word.

If single acting hinges are required with reverse acting springs, follow the code word with the word "Reverse."

NUMBERS (Steel Metal)

Flange Inches	9001	9011	9111	9281	9271	9131	9291	9311	9171	9391	9211	9021	9181OB	9161	9991
3.....	sapev	saxox	sarap	sasuj	sawal	sazai	sbiab	scaak	seiac	sbejb	scuap	sdaca	sdibe	seaba	sboau
4.....	saphy	saxpy	saret	satbo	sawec	sazem	sbied	scabl	seibd	sbeld	seuer	sdafd	sdicf	seaed	sbobv
5.....	sapiz	saxso	sarfu	sater	sawig	saznu	sbief	scafe	seice	sbeme	scuds	sdage	sdidg	seagf	sbocw
6.....	sapko	saxuq	sarix	sathu	sawoy	sazov	sbihi	scagd	seigi	sbeos	scuet	sdaki	sdihk	seaih	sboey
7.....	sapum	saxyu	sarjy	sativ	sawur	sazry	sbijk	scahe	seihj	sbept	scufu	sdalj	sdilj	seakj	sbofz
8.....	saraq	saxaj	sarmo	satly	saxak	sabaj	sbilm	scahi	seino	sbequ	scugv	sdanx	sdijm	seaml	sbogn
10.....	saequ	saybk	sasao	saunz	saxeb	sbabk	sbinn	scamj	seirs	sberv	scuhw	sdaoy	sdinp	seany	sboho

NUMBERS (Brass or Bronze Metal)

Flange Inches	9051	9041	9071	9191	9061	9251	9361	9091	9221	9261	9381N	9381OB	9381SB	9401	9421
3.....	sefah	sehaf	sekac	senay	sepue	seuar	sewap	sezon	sfeaj	sfoay	sgeaw	sfyao	sgonz	secoz	seaso
4.....	sefbi	sehdi	sekeg	sendo	sepyi	seubs	sewet	sezut	sfebck	sfobz	sgebx	sfyys	sgots	secofn	seauc
5.....	sefel	sehaj	sekel	senep	sepyv	seuct	sewfu	sezux	sfecl	sfodo	sgecy	sfygu	sgowv	secofo	seavr
6.....	sefou	sehos	sekno	senit	seqgo	seudu	sewix	sfanz	sfehd	sfoep	sgegz	sfyiw	sgoyx	seohp	seaws
7.....	sefsy	sehqu	sektu	senju	serau	seuev	sewjy	sfapo	sfemi	sfogr	sgeen	sfyky	sguah	seoiq	seact
8.....	segag	sehyp	sekyx	seoby	serey	seugx	sewmo	sfats	sfenv	sfohs	sgefo	sgaab	sgubi	seoir	seayu
10.....	segci	seibf	selab	seocz	serho	seuhy	sexao	sfavu	sfeow	sfoit	sgeir	sgacd	sgucj	seoks	seazv

Example: 10 Pairs 9001—3 in. "Ten Sapev." 10 Pairs 9002—3 in. "Ten Sinsapev." 10 Pairs 9002—3 in. Reverse. "Ten Sinsapev Reverse."

Chicago Spring and Springless Butt-Hinges (Pages 17, 18 and 19)

In specifying the quantity do not say pairs or sets; we assume it.

When ordering "Springless Butt-Hinges" use word from list below for same finish and size, and prefix the letters "Les" to the code word.

When ordering "Spring and Springless Butt-Hinges" in sets, prefix the letters "Set" to the code word.

NUMBERS (Steel Metal)

For Doors	1½	111½	281½	271½	131½	291½	231½	311½	171½	391½	211½	21½	181½ OB	161½	991½
7/8-1 ...	cabax	caebv	cagas	caiaq	cakao	canba	capak	casah	cavae	ceapf	cayab	ceacr	cecan	cejah	cegso
1 1/8-1 1/4 ...	cabby	caecw	cagcu	caibr	cakes	caned	capab	casbi	cavim	cearh	cayed	ceads	cecho	cejbi	ceguq
1 3/8-1 1/2 ...	cabeo	caeyy	cagcw	caics	cakgu	canih	capif	casel	cavor	ceasi	cayef	ceact	cecer	cejel	cegyu
1 3/4-2 ...	cabis	caefz	caggy	caidt	cakw	canny	capox	casou	cavux	ceatj	caygh	ceafv	cechu	cejou	cehaj
2 1/4-2 1/2 ...	cabku	caeho	cagin	caigw	cakky	canoz	capxy	cassy	cavvy	ceauk	cayjk	ceagv	ceciw	cejsy	cehca
2 3/4-3 ...	caaw	caep	cagjo	caihx	caler	canus	capuq	catag	cawad	ceavl	caylm	ceahw	ceely	cekag	cehie

NUMBERS (Brass or Bronze Metal)

For Doors	51	41	71	191	61	251	361	91	221	261	381N	381OB	381SB	401	421
7/8-1 ...	cepab	cetaw	cevhv	ceyar	cfabr	cfiaj	cfuaw	chabt	chica	chuay	cicar	ciabu	cifao	cidaq	cighu
1 1/8-1 1/4 ...	cepde	cetcy	cevip	ceybs	cfacs	cfibk	cfubx	chacu	chifd	chubz	ciadu	ciacv	cifes	cideu	cigiv
1 3/8-1 1/2 ...	cephi	ceten	cevtu	ceyct	cfadt	cfiel	cfuey	chadv	chige	chudo	cicev	ciadw	cifgu	cidio	cigly
1 3/4-2 ...	cepoa	cefto	ceyub	ceydu	cfaeu	cfihd	cfudz	chaew	chiki	chuup	cichy	ciaw	cifw	cidlo	cigoc
2 1/4-2 1/2 ...	ceqaz	cefir	ceyve	ceyev	cfagw	cfie	cfuen	chafx	chilj	chugr	ceiz	ciagy	cifky	cidne	cigqe
2 3/4-3 ...	ceqeq	cefru	ceyvf	ceygv	cfahx	cfinv	cfufo	chagy	chinx	chuhs	cicko	ciagz	cifuj	cidof	cigui

Example: 10 Pairs 1½—7/8 in. "Ten Cabax." 10 Pairs 3½—7/8 in. "Ten Lescabax." 10 Sets 1½x3½—7/8 in. "Ten Setcabax."

Private Telegraph Code (Continued)

Chicago "Relax" and "Non-Release" Spring Pivot-Hinge (Pages 20-21)

In specifying the quantity do not say sets; we assume it.

When ordering "Non-Release Hinges" use word from list below for same size and finish, and prefix the letters "Non" to the code word.

When ordering hinges with "Jamb Attaching Plates" prefix the letters "Jam" to the code word.

NUMBERS (Steel Metal)

For Doors	6001	6111	6281	6271	6131	6291	6311	6171	6391	6211	6021	6181OB	6161	6991	6981
1 $\frac{1}{8}$ -1 $\frac{1}{2}$...	fabau	facat	fadas	faear	fafaq	fagap	faian	fajon	faeiz	falal	famak	fanaj	fapah	faipd	faoid
1 $\frac{1}{2}$ -2...	fabey	facbu	fadcu	faebs	fafeu	faget	faibo	fajut	faejn	falec	fameb	fanie	fapbi	faige	faoje
1 $\frac{3}{4}$ -2 $\frac{3}{4}$...	fabho	facex	fadew	faect	fafiy	fagfu	faier	fajyx	faeko	falig	famif	fanow	fapel	fairf	faokf

NUMBERS (Brass or Bronze Metal)

For Doors	6051	6041	6071	6191	6061	6251	6361	6091	6221	6261	6381OB	6381N	6381SB	6401	6421
1 $\frac{1}{8}$ -1 $\frac{1}{2}$...	faraf	fasae	fatad	fauae	favde	faxay	fayax	fazaw	feabn	febay	fecax	fedaw	fefau	fehwa	feidu
1 $\frac{1}{2}$ -2...	fardi	fasim	fatbe	faubd	favij	faxdo	fayby	fazcy	feaco	febdo	fecby	fedey	fefey	fehve	feiev
1 $\frac{3}{4}$ -2 $\frac{3}{4}$...	farej	fasor	fatfi	faueg	fawaz	faxep	faycz	fazen	feaeq	febep	fecce	feden	fefho	feiar	feigx

Example: 10 Sets 6001—1 $\frac{1}{8}$ in. "Ten Fabau." 10 Sets NR6001—1 $\frac{1}{8}$ in. "Ten Nonfabau." 10 Sets J6001—1 $\frac{1}{8}$ in. "Ten Jamfabau." 10 Sets JNR6001—1 $\frac{1}{8}$ in. "Ten Jam Nonfabau."

Chicago "Premier" Spring Pivot-Hinges (Page 23)

In specifying the quantity do not say sets; we assume it.

When ordering hinges with "Jamb Attaching Plates" prefix the letters "Jam" to the code word.

NUMBERS (Steel Metal)

For Doors	4001	4111	4281	4271	4131	4291	4311	4171	4391	4211	4021	4181OB	4161	4991	4981
1 $\frac{1}{8}$ -1 $\frac{3}{4}$...	feybd	fezab	fhaer	fheam	fhiar	fhoac	fhyar	fiabr	feyno	fibap	ficao	fidan	fifam	fhiha	fthomb
1 $\frac{3}{4}$ -2 $\frac{3}{4}$...	feyce	fezde	fhadz	fheed	fhibj	fhoob	fhydu	fiaes	feyop	fibet	fices	fidbo	fifed	fhihc	fthono

NUMBERS (Brass or Bronze Metal)

For Doors	4051	4041	4071	4191	4061	4251	4361	4091	4221	4261	4381OB	4381N	4381SB	4401	4421
1 $\frac{1}{8}$ -1 $\frac{3}{4}$...	fihak	fijai	fikah	filag	fimaf	finae	fioad	fipac	fiquab	firaz	fisay	fitis	fiuaw	fyrk	fizko
1 $\frac{3}{4}$ -2 $\frac{3}{4}$...	fiheb	fijem	fikbi	filci	fimdi	finim	fiobe	fipeg	fiqude	firco	fisdo	fitku	fiubx	fysl	fizog

Example: 10 Sets 4001—1 $\frac{1}{8}$ in. "Ten Feybd." 10 Sets J4001—1 $\frac{1}{8}$ in. "Ten Jamfeybd."

Chicago "Ajax" Spring Pivot-Hinges (Page 24)

In specifying the quantity do not say sets; we assume it.

When ordering hinges with "Jamb Attaching Plates" prefix the letters "Jam" to the code word.

NUMBERS (Steel Metal)

For Doors	3001	3111	3281	3271	3131	3291	3311	3171	3391	3211	3021	3181OB	3161	3991	3981
1 $\frac{1}{8}$ -1 $\frac{3}{4}$...	flopu	florw	flosx	floty	flonv	fluaz	fluco	flueq	flulx	flufr	flugs	fluht	fluju	flumy	fluna

NUMBERS (Brass or Bronze Metal)

For Doors	3051	3041	3071	3191	3061	3251	3361	3091	3221	3261	3381OB	3381N	3381SB	3401	3421
1 $\frac{1}{8}$ -1 $\frac{3}{4}$...	fobaj	fobie	fobow	fobqy	fobup	focai	focem	foenu	focov	foery	fodah	fodbi	fodel	fodvo	fodyr

Example: 10 Sets 3001—1 $\frac{1}{8}$ in. "Ten Flopu." 10 Sets J3001—1 $\frac{1}{8}$ in. "Ten Jamflopu."

Chicago "Eight Thousand" Spring Pivot-Hinges (Page 25)

In specifying the quantity do not say sets; we assume it.

When ordering these hinges, use code word from "Ajax" code for same finish and prefix letters "Mis." Example: 10 Sets 8001—1 $\frac{1}{8}$ in. "Ten Misflopu."

Chicago "Durex" Spring Pivot-Hinges (Page 26)

In specifying the quantity do not say sets; we assume it.

When ordering these hinges, use code word from "Ajax" code for same finish and prefix letters "Dur."

Finishes are limited to those shown on Page 26. Example: 10 Sets 17001—1 $\frac{1}{8}$ in. "Ten Durflopu"

Chicago Spring Pivot-Hinges (Page 27)

In specifying the quantity do not say sets; we assume it.

NUMBERS (Steel Metal)

For Doors	5001	5111	5281	5271	5131	5291	5311	5171	5391	5211	5021	5181OB	5161	5991	5981
1 $\frac{1}{8}$ -1 $\frac{1}{2}$...	fopau	foqat	foras	fosar	fotaq	fouap	fowan	foxon	fuope	fozal	franz	freaq	froay	fuper	furba
1 $\frac{3}{8}$ -2...	fopey	foqbu	forcu	fosdu	foteu	fouer	fowbo	foxut	fuorg	fozec	frapo	frebk	frobz	fuphu	fured
2-2 $\frac{1}{2}$...	fopho	foqex	forew	fosev	fotif	fouds	fower	foxyx	fuosh	fozig	frats	frecl	frodo	fupiv	furfe
2 $\frac{1}{2}$ -3 $\frac{1}{2}$...	fopip	foqfy	forgy	foshy	fotlo	fouet	fowhu	foyam	fuoti	fozoy	fravu	frehd	froep	fuply	furih

NUMBERS (Brass or Bronze Metal)

For Doors	5051	5041	5071	5191	5061	5251	5361	5091	5221	5261	5381OB	5381N	5381SB	5401	5421
1 $\frac{1}{8}$ -1 $\frac{1}{2}$...	fryao	fuabe	fubac	fudaz	fueay	fufax	fugaw	fuhav	fuibv	fujat	fukas	fulev	fumaq	fusig	futif
1 $\frac{3}{8}$ -2...	frydr	fuacf	fubeg	fudeco	fuebz	fufby	fugey	fuhdy	fuicw	fujbu	fukeu	fulhy	fumeu	fuski	futli
2-2 $\frac{1}{2}$...	fryes	fuadg	fubik	fudeq	fuedo	fufeo	fugen	fuhez	fuicy	fujex	fukew	fuliz	fumiy	fusoy	futox
2 $\frac{1}{2}$ -3 $\frac{1}{2}$...	fryft	fuahk	fubno	fudiu	fuecp	fufis	fugfo	fuhgo	fuifz	fujfy	fukgy	fulko	fumlo	fusro	futpy

Example: 10 Sets 5001—1 $\frac{1}{8}$ in. "Ten Fopau."

Chicago Lavatory Spring Hinges (Pages 28, 29, 30, 31, 33 and 34)

†If hinges have pipe attachments, always specify outside diameter of pipe.

Partition Thickness	2242	2142	* 2242A	2241	* 2241A	2242 2244	*2242A 2244A	22242	22242½	22242 22244	22242½	2842	2742	2642	2542
7/8	laboa	ladon	lafal	lajah	lalaf	lanad	lapab	mefiv	meivs	melnu	meopt	layar	lazaq	lebas	ledaq
1 in.	labes	ladut	lafec	lajbi	laldi	lanbe	lapde	mefly	meiwt	melov	meoqu	laybs	lazeu	lebcu	ledcu
1½	labgu	ladyx	lafig	lajel	lalej	lanfi	labpi	mefoc	meixu	melry	meorv	layet	laziy	lebew	lediy
1¼ in.	labiw	laeam	lafoy	lajou	lalos	lanoq	laqaz	mefqe	meiyv	meluo	meosw	laydu	lazlo	lebgy	ledlo
1 5/8 in.	labky	laeed	lafur	lajsy	lalqu	lansu	laqco	mefui	meizw	melys	meouy	layev	leabu	lebin	leecr
1½ in.	lacan	laegf	lagak	lakag	lalyp	lanwy	laqeq	mefym	mejak	memah	meovz	laygx	leacv	leboj	leeds
1 5/8 in.	laco	laci	lageb	lakei	lamae	laoac	laqui	mefza	mejda	membi	meown	layhy	leadw	lecar	leefu
1 3/4 in.	lacer	laekj	lagif	lakek	lanim	laobd	laqyl	megaa	mejeb	memel	meoxo	layiz	leaex	lecdu	leegv
1 7/8 in.	lachu	laeny	lagox	lakot	lamur	laogj	laray	megee	mejhe	memga	meoyp	layjn	leafy	lecev	leehw
2 in.	laciv	lacz	lagpy	lakpu	lamux	laohj	lardo	megii	mejif	memic	mepae	layko	leagz	lechy	leeix

Partition Thickness	2842 2844	2742 2744	2642 2644	2542 2544	F2222 F2224	F2222 F2224	2442	2443	2442 2444	2442 2446	†For Pipe Standards		†P7227S †P7227M
$\frac{7}{8}$ in.	lefao	lehon	lejge	lemai	leoag	lepia	lesac	levay	lexaw	lezau	†12342DD	ligog	†P6227S †P6227M
1 in.	lefes	lehut	lejki	lemem	leobh	lepne	leseg	levdo	lexcy	lezey	†12342DD-I2344DD	ligum	†P6227M †P6227S
$1\frac{1}{8}$ in.	lefgu	lehyx	lejoy	lemnun	leoci	lepms	lesik	levep	lexen	lezhö	†02342DD	ligva	†P4227S †P4227M
$1\frac{1}{4}$ in.	lefiw	leiam	lejür	lemov	leodj	lepqu	lesno	levit	lexfo	lezip	†02342DD-02344DD	ligyd	†P4227M †P4227S
$1\frac{3}{8}$ in.	lefky	leied	lekak	lemry	leoek	lepyy	lestu	levju	lexir	lezze	P2221	lihaq	F7227S F7227M
$1\frac{1}{2}$ in.	legan	leigf	lekeb	lenah	leofk	leqae	lesxy	lewax	lexlu	liaxx	P2222	liheu	F7227M F7227S
$1\frac{5}{8}$ in.	legbo	leikj	lekif	lenbi	leons	leqim	letab	lewby	leyav	liaby	P2222-P2224	lihiy	F6227S F6227M
$1\frac{3}{4}$ in.	leghu	leiml	lekox	lenel	leoot	leqor	letde	lewew	leybw	liacz			F6227M F4227S
$1\frac{7}{8}$ in.	legiv	leiny	lekpy	lenou	leopu	leqru	lethi	lewis	leyex	liafp	†Also specify thickness of partition.		F4227S F4227M
2 in.	legly	leioz	lekuq	lensy	leorw	leqvy	letoo	lewku	leydy	liahr			F4227M liusv

Partition Thickness	C-7227S	C-7227M	C-6227S	C-6227M	C-4227S	C-4227M	CI-7227S	CI-7227M	CI-6227S	CI-6227M	CI-4227S	CI-4227M	C6221	† P6221
$\frac{3}{8}$ in.	litaf	lupau	linal	lipaj	luras	lutaq	luvao	luxon	livad	lixab	luzal	lybaz	lijao	lilon
1 in.	liti	lupey	linec	lipie	lurcu	luteu	luves	luxpo	livbe	lixde	luzca	lybco	lijes	
$1\frac{1}{8}$ in.	litelj	lupho	linig	lipow	lurew	luti	luvgu	luxut	livfi	lixhi	luzec	lybeq	lijgu	F6221
$1\frac{1}{4}$ in.	litos	lupip	linoy	lipqy	lurgy	lutlo	luviw	luxvu	livoq	liyaz	luzge	lybiu	lijiw	litut
$1\frac{3}{8}$ in.	litqu	lupoi	linur	lipup	lurin	lutne	luyky	luxyx	livsu	liybn	luzig	lybna	lijky	
$1\frac{1}{2}$ in.	lityp	lupta	liok	liqai	lurjo	lutof	luvod	luxzy	livwy	liyc	luzki	lybob	likan	
$1\frac{5}{8}$ in.	liubf	lupub	liobl	liqem	lurpi	lutri	luvep	luxam	liwac	liyeq	luzoy	lybre	likbo	
$1\frac{3}{4}$ in.	liudh	lupxe	liofo	liqnu	lurua	lutul	luyti	luyba	liwag	liyfr	luzro	lybuh	likr	
$1\frac{7}{8}$ in.	liugk	lupyf	liogd	liqov	lurye	lutwa	luyva	luyed	liwik	liygs	luzur	lybvi	likhu	FR6221
2 in.	liuim	luqat	liohe	liqry	luser	luty	luwan	luyfe	liwno	liyht	luzxu	lybyl	likiv	limam

Lavatory Door Stops and Keepers (Pages 29 and 37)

Partition Thickness	C-47227S	CI-47227S	† P47227S	11247A	11247B	11247C	11247D	11247F	11247½A	11247½B	11247½C	11247½D	11247½F
⅞ in.	lyfav	lygho	lyieu	maber	macut	maefd	magaj	mahnu	mambe	manop	marax	masfo	mauta
1 in.	lyfdy	lygip	F47227S	mabhu	macvu	maege	magea	mahov	maneh	mantu	marby	masir	mauub
1½ in.	lyfez	lygoi	lyifx	mabiv	macyx	maehf	magie	mahry	mamfi	manuv	mareo	maslu	mauve
1¼ in.	lyfgo	lygta	.....	mably	maczy	maeig	magini	mahuo	mamil	manxy	maris	masol	mauwd
1⅜ in.	lyfiq	lygub	.....	maboc	madam	maeki	magow	mahys	mamka	manyz	marku	masqa	mauxe
1½ in.	lyfmu	lygxe	.....	mabqe	madba	maelj	magqy	maiah	mamoq	maoab	marom	masue	mauyf
1⅝ in.	lyfok	lygyf	.....	mabui	maded	maemk	magto	maibi	mansu	maobe	marpa	masyi	mauzg
1¾ in.	lyfra	lyhbu	.....	mabym	madfe	maenx	magup	maiej	mamuw	maocd	marto	matav	mavat
1⅞ in.	lyfud	lyhex	.....	mabza	madih	maeoy	magyt	maiel	mamwy	maode	maruf	matdy	mavbu
2 in.	lyfve	lyhfy	.....	macaa	madji	maepz	magzu	maifm	manyn	maoef	marxi	matez	maxev

Partition Thickness	1247	1247A	1247B	1247C	1247D	1247E	1247F	1247G	1247H	1347A	1347C	1347D	1347E	1347F
$\frac{7}{8}$ in.	lizay	lobad	lodab	lofay	lohaw	lojau	lomar	lopao	loron	lovaj	loxah	lozaf	lubaj	ludah
1 in.	lizard	lobbe	lodde	lofdo	lohey	lojey	lomdu	lopes	lorut	lovie	loxbi	lozdi	lubie	ludbi
$1\frac{1}{8}$ in.	lizep	lobfi	lodhi	lofed	lohen	lojho	lomev	lopgu	loryx	lovow	loxel	lozej	lubow	ludel
$1\frac{1}{4}$ in.	lizit	loboq	loeaz	lofit	lohfo	lojip	lomihy	lopiw	losam	lovqy	loxou	lozos	lubqy	ludou
$1\frac{3}{8}$ in.	lizju	lobsu	loebn	lofju	lohir	lokati	lomiz	loppy	losed	lovup	loxy	lozqu	lubup	ludsy
$1\frac{1}{2}$ in.	lobaf	lobwy	loeco	lofyk	lohlu	lokbu	lomko	loqan	losih	lowai	loyag	lozyp	lucai	lucae
$1\frac{5}{8}$ in.	loadh	locac	loeeq	logax	loiav	lokex	lonaq	loqbo	losny	lowem	loybh	luabl	luem	luabh
$1\frac{3}{4}$ in.	loagk	loceg	loefr	logby	loibw	lokyf	loneu	loqer	losoz	lownu	loyci	luada	luenu	lueci
$1\frac{7}{8}$ in.	loaim	locik	loegs	logeo	loicx	lokio	loniy	loqhu	losus	lowov	loydj	luafe	lucoy	luedj
2 in.	loaja	locoy	loeht	logis	loidy	lolas	lonlo	loqiv	lotat	lowry	loyek	luaig	luery	luelf

1250	lufaf	1254	luhad	1252	lujab	1238K	lukco	1248K	lumax
1250K	lufdi	1254K	luhbe	1252K	lujde	1238-1247F	lukeq	1248-1247A	lumby
1250K-1258	lufej	1254K-1258	luhfi	1252-1247C	lujhi	1238-1247G	lukiu	1248-1247B	lumeo
1250-1247F	lufos	1254-1247D	luhoq	1236	luila	1240	lulay	1244	lumis
1250-1247G	lufqu	1254-1247D-1258	luhsu	1236K	luimb	1240K	luldo	1244K	lumku
1250-1247F-1258	lufyp	1242	luhwy	1236-1247F	luino	1240-1247F	lulep	1244-1247F	lunaw
1250-1247G-1258	lugae	1242K	luiaa	1236-1247G	luioi	1240-1247G	lulit	1244-1247G	luncy
1260	lugru	1242-1247C	luibd	1238	lukaz	1248	lulju		

Private Telegraph Code (Continued)

Lavatory Door Stops and Keepers (For Partitions without Hanging Stile) Page 38	Lavatory Door Stops and Keepers (For Pipe Standards) Page 38	Miscellaneous Lavatory Door Stops Page 38	Door Pull and Hook Page 39
1253.....luofn D1253.....luogo 1251.....luohp D1251.....luojr	1241.....lihof 1241C.....lihul 1241F.....lihri	1243.....luoav 1245.....lunlu 1345C.....luocx 1345F.....luobw	1231.....lunen 1233.....lunfo 1234.....lunir
Give thickness of partition and door, also size of bolt bar if to be cut.	Give outside diameter of pipe, thickness of door and size of bolt bar if to be cut.	Give thickness of door and size of bolt bar if to be cut.	

Fastenings (Bolts, Nuts and Washers) Page 39 Specify size and always give length of bolt required

60.....lydax	O80.....lydis	160.....lyeaw	15.....lyedz	90.....lyeen
O60.....lydby	100.....lydku	O160.....lyebx	140.....lydxi	
80.....lydeo	OS110.....lydte	5.....lyecy	114.....lydyj	

Chicago Cabinet and Refrigerator Spring Hinges Page 41

Sagless Gate Spring Pivot-Hinges Page 40

In specifying the quantity do not say pairs or sets; we assume it.

6005.....abcon	5005.....abgea	14005.....akeat	4007.....hajal	6007.....habas	7007.....hafao
6115.....abcut	5115.....abgow	14115.....akebu	4117.....hajec	6117.....habcu	7117.....hafgu
6285.....abeyx	5285.....abgup	14285.....akeev	4287.....hajig	6287.....habew	7287.....hafiw
6275.....abdam	5275.....abgyt	14275.....akedw	4277.....hajoy	6277.....habgy	7277.....hafky
6135.....abded	5135.....abhaj	14135.....akegz	4137.....hajur	6137.....habin	7137.....hagan
6315.....abdiu	5315.....abhbm	14315.....akehn	4317.....hakak	6317.....habjo	7317.....hagbo
6175.....abdney	5175.....abhnu	14175.....akeio	4177.....hakeb	6177.....hacar	7177.....haghu
6395.....abeki	5395.....abijd	14395.....akewe	4397.....halie	6397.....hacva	7397.....haiba
6215.....abdoz	5215.....abhov	14215.....akejp	4217.....hakif	6217.....hacdu	7217.....hagiv
6025.....abdus	5025.....abhry	14025.....akems	4027.....hakox	6027.....hacev	7027.....hagly
6185OB.....abeal	5185OB.....abibi	14185OB.....akeni	4187OB.....hakpy	6187OB.....hachy	7187OB.....hahon
6165.....abeec	5165.....abiel	14165.....akepk	4167.....hakso	6167.....haciz	7167.....hahut

Numbers (Brass or Bronze Metal)

6045.....abefd	5045.....abifm	14045.....akerm
6065.....abege	5065.....abiga	14065.....akesa
6225.....abehf	5225.....abihb	14225.....akeuc
6405.....abeig	5405.....abiie	14405.....akevd

Numbers (Brass or Bronze Metal)

4047.....hakuq	6047.....hacks	7047.....hahvu
4067.....hakyu	6067.....hacog	7067.....hahyx
4227.....halaj	6227.....hacqi	7227.....hahzy
4407.....halea	6407.....hacum	7407.....haiaa

Chicago Screen Door Hinges Page 44

Detachable Type Screen Door Hinges Page 45

Screen Door Hinges Page 46

In specifying the quantity do not say pairs; we assume it.

2005.....abkaf	3005.....aboab	4005.....abwas	8005.....acfal	28005.....achaj	505.....acbao
2115.....abkdj	3115.....aboed	4115.....abwcu	8015.....acfoy	28015.....achqy	505X.....acbes
2285.....abkej	3285.....aboef	4285.....abwew	8285.....acfki	28285.....achow	585.....acbod
2275.....abkos	3275.....abogh	4275.....abwgy	8175.....acfea	28175.....achea	575.....acbiw
2135.....abkqu	3135.....aboiu	4135.....abwin	8395.....acfro	28395.....achto	605.....acdpo
2315.....ablae	3315.....abokl	4315.....abwjo	8215.....acfig	28215.....achmi	605X.....acdut
2175.....ablim	3175.....abpaz	4175.....abxar	8185OB.....acfige	28185OB.....achie	685.....aceam
2395.....ablja	3395.....aboht	4395.....abwye	18005.....acgak	38005.....acibj	675.....acdyx
2215.....ablor	3215.....abpeq	4215.....abxdu	18015.....acgli	38015.....acikf	7005.....acizt
2025.....ablux	3025.....abpiu	4025.....abxev	18285.....acgif	38285.....acihe	7285.....acjah
2185OB.....ablvv	3185OB.....abpob	4185OB.....abxhy	18175.....acgda	38175.....aciek	7175.....acjbi
2165.....abmbe	3165.....abpyl	4165.....abxko	18395.....acgox	38395.....acilg	
			18215.....acghe	38215.....aciem	
			18185OB.....acgeb	38185OB.....acidl	

Numbers (Brass or Bronze Metal)

2055.....abmeh	3055.....abqay	4055.....abxog
2045.....abmil	3045.....abqep	4045.....abxqi
2075.....abmyn	3075.....abqit	4075.....abxum
2225.....abnac	3225.....abqoa	4225.....abxva

Door Closers Page 43

25BL.....adabr
25SBL.....adacs
25DNL.....adadt

Chicago Door Springs Page 47

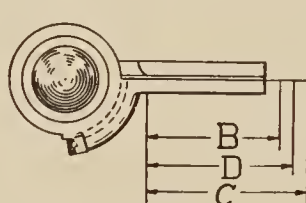
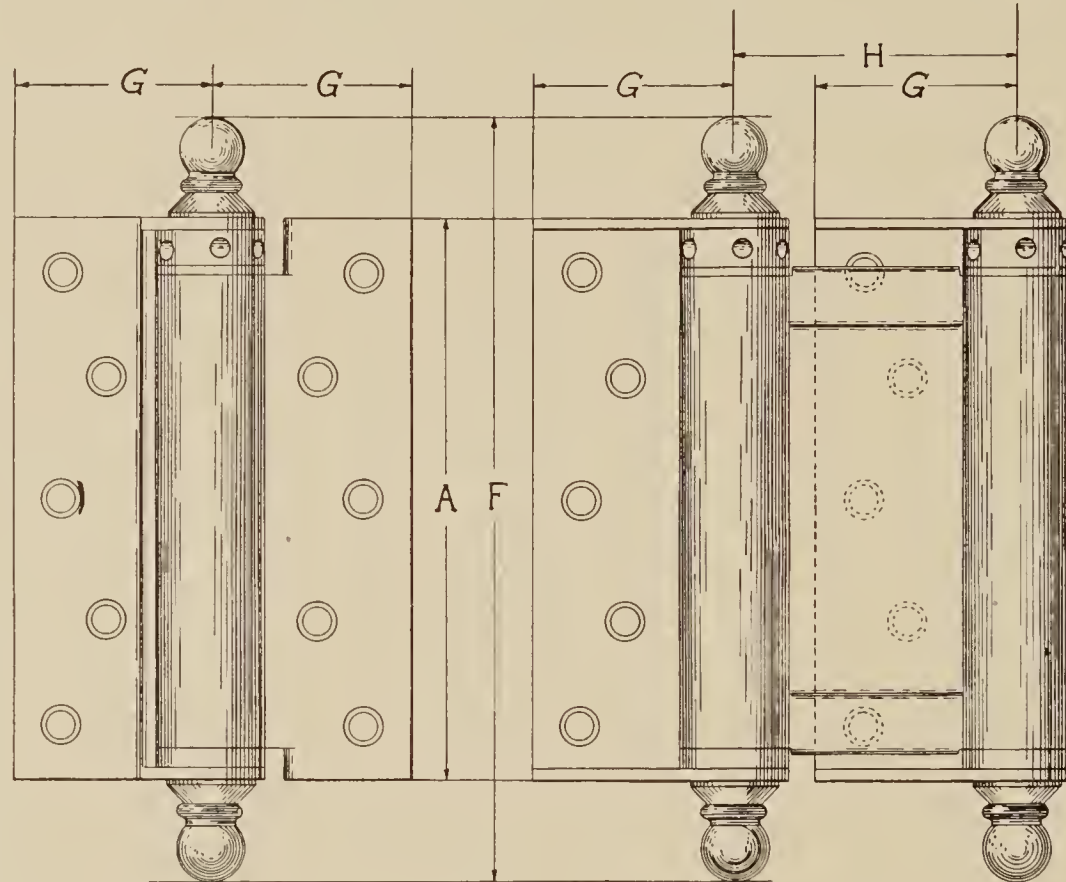
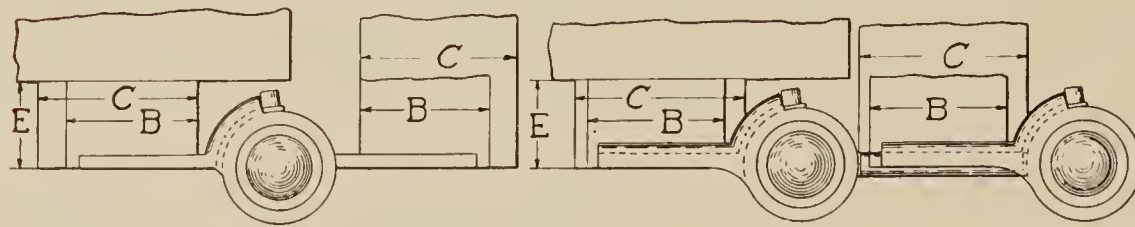
280.....One Dozen	dabaw	291.....One Dozen	dadho	252.....One Dozen	dajky	220.....One Dozen	darah
280½....."	dabey	291½....."	dadip	253....."	dakan	220½....."	darbi
281....."	daben	292....."	daeat	240....."	dalon	221....."	darel
281½....."	dabfo	293....."	daebu	240½....."	dalut	221½....."	darou
282....."	dabir	260....."	dahaq	241....."	dalyx	222....."	darsy
283....."	dablu	260½....."	daheu	241½....."	damam	223....."	dasag
230....."	dacav	261....."	daliy	242....."	damed		
230½....."	daedy	261½....."	dahlo	243....."	damiu		
231....."	dacez	262....."	daiap	210....."	danal		
231½....."	daceo	263....."	daier	210½....."	danec		
232....."	daciq	250....."	dajao	211....."	danig		
233....."	dacnu	250½....."	dajes	211½....."	danoy		
290....."	dadau	251....."	dajgu	212....."	danur		
290½....."	dadey	251½....."	dajiw	213....."	daoak		

Reliance Door Springs Page 47

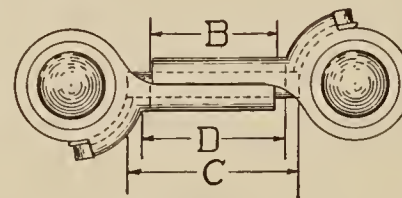
270L.....One Dozen	diabt
270M....."	diacu
270H....."	diadv

Chicago "Triplex" Spring Butt-Hinges

Detail Drawing with Approximate Measurements



Type 2002



Type 2001

APPROXIMATE DIMENSIONS IN INCHES

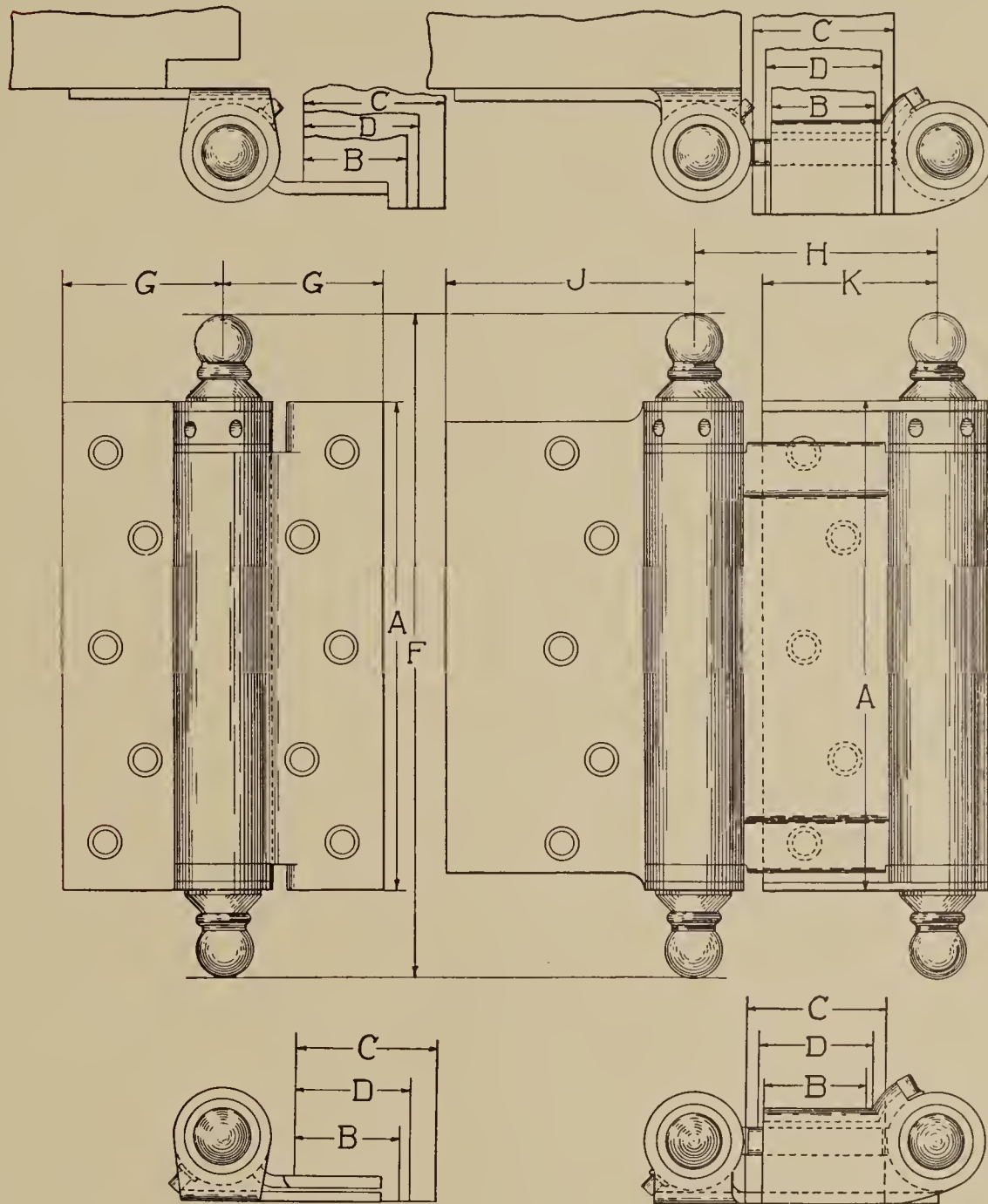
Template Blue Print or Template Hinge will be sent on request.

A	B	C	D	E	F	G	H
Length of Flange (Size of Hinge)	Minimum Thickness of Door or Hanging Strip	Maximum Thickness of Door or Hanging Strip with Chamfering	Maximum Thickness of Door or Hanging Strip Without Chamfering. For Metal Doors	Depth of Hanging Strip	Length Over All	Axial Center to Edge of Flange	Distance Between Axial Centers
3	$\frac{3}{4}$	1	$\frac{13}{16}$	$\frac{5}{8}$	$4\frac{1}{2}$	$\frac{15}{16}$	$1\frac{7}{8}$
4	$\frac{7}{8}$	$1\frac{1}{4}$	$\frac{11}{16}$	$\frac{5}{8}$	$5\frac{1}{2}$	$\frac{113}{32}$	$2\frac{1}{8}$
5	$1\frac{1}{8}$	$1\frac{1}{2}$	$\frac{17}{32}$	$\frac{3}{4}$	$6\frac{3}{4}$	$\frac{13}{4}$	$2\frac{15}{32}$
6	$1\frac{5}{16}$	$1\frac{3}{4}$	$\frac{19}{16}$	$\frac{7}{8}$	$8\frac{1}{8}$	$\frac{129}{32}$	$2\frac{27}{32}$
7	$\frac{13}{8}$	2	$1\frac{1}{2}$	1	$9\frac{1}{4}$	$\frac{23}{16}$	3
8	$1\frac{11}{16}$	$2\frac{1}{4}$	$\frac{13}{4}$	1	$10\frac{5}{8}$	$\frac{29}{16}$	$3\frac{15}{32}$
10	$1\frac{13}{16}$	$2\frac{1}{2}$	2	$1\frac{1}{8}$	$13\frac{1}{8}$	$\frac{227}{32}$	$3\frac{15}{16}$
12	$2\frac{1}{4}$	3	$2\frac{5}{8}$	$1\frac{1}{4}$	$15\frac{1}{4}$	$3\frac{3}{8}$	$4\frac{13}{16}$

(See Pages 8, 9, 10 and 11)

Chicago "Simplex" Spring Butt-Hinges

Detail Drawing with Approximate Measurements



Type 9002

Type 9001

APPROXIMATE DIMENSIONS IN INCHES

Template Blue Print or Template Hinge Will Be Sent on Request.

A	B	C	D	F	G	H	J	K
Length of Flange (Size of Hinge)	Minimum Thickness of Door	Maximum Thickness of Door With Chamfering	Maximum Thickness of Door Without Chamfering. For Metal Doors	Length Over All	Axial Center to Edge of Flange	Distance Between Axial Centers	Axial Center to Edge of Jamb Flange	Axial Center to Edge of Door Flange
3	$\frac{3}{4}$	1	$\frac{7}{8}$	$4\frac{9}{16}$	$1\frac{13}{64}$	$1\frac{7}{8}$	$1\frac{29}{32}$	$1\frac{5}{16}$
4	$\frac{7}{8}$	$1\frac{1}{4}$	1	$5\frac{5}{8}$	$1\frac{5}{16}$	$2\frac{1}{8}$	$2\frac{9}{32}$	$1\frac{13}{32}$
5	$1\frac{1}{8}$	$1\frac{1}{2}$	$1\frac{1}{4}$	$6\frac{3}{4}$	$1\frac{5}{8}$	$2\frac{15}{32}$	$2\frac{17}{32}$	$1\frac{3}{4}$
6	$1\frac{1}{4}$	$1\frac{3}{4}$	$1\frac{3}{8}$	$8\frac{1}{4}$	$1\frac{23}{32}$	$2\frac{27}{32}$	$2\frac{15}{32}$	$1\frac{29}{32}$
7	$1\frac{3}{8}$	$1\frac{7}{8}$	$1\frac{1}{2}$	$9\frac{9}{32}$	2	3	$3\frac{1}{8}$	$2\frac{3}{16}$
8	$1\frac{3}{4}$	2	$1\frac{3}{4}$	$10\frac{11}{16}$	$2\frac{25}{64}$	$3\frac{15}{32}$	$3\frac{5}{8}$	$2\frac{9}{16}$
10	$1\frac{3}{4}$	$2\frac{1}{2}$	2	$13\frac{1}{8}$	$2\frac{17}{32}$	$3\frac{15}{16}$	$4\frac{1}{16}$	$2\frac{13}{16}$

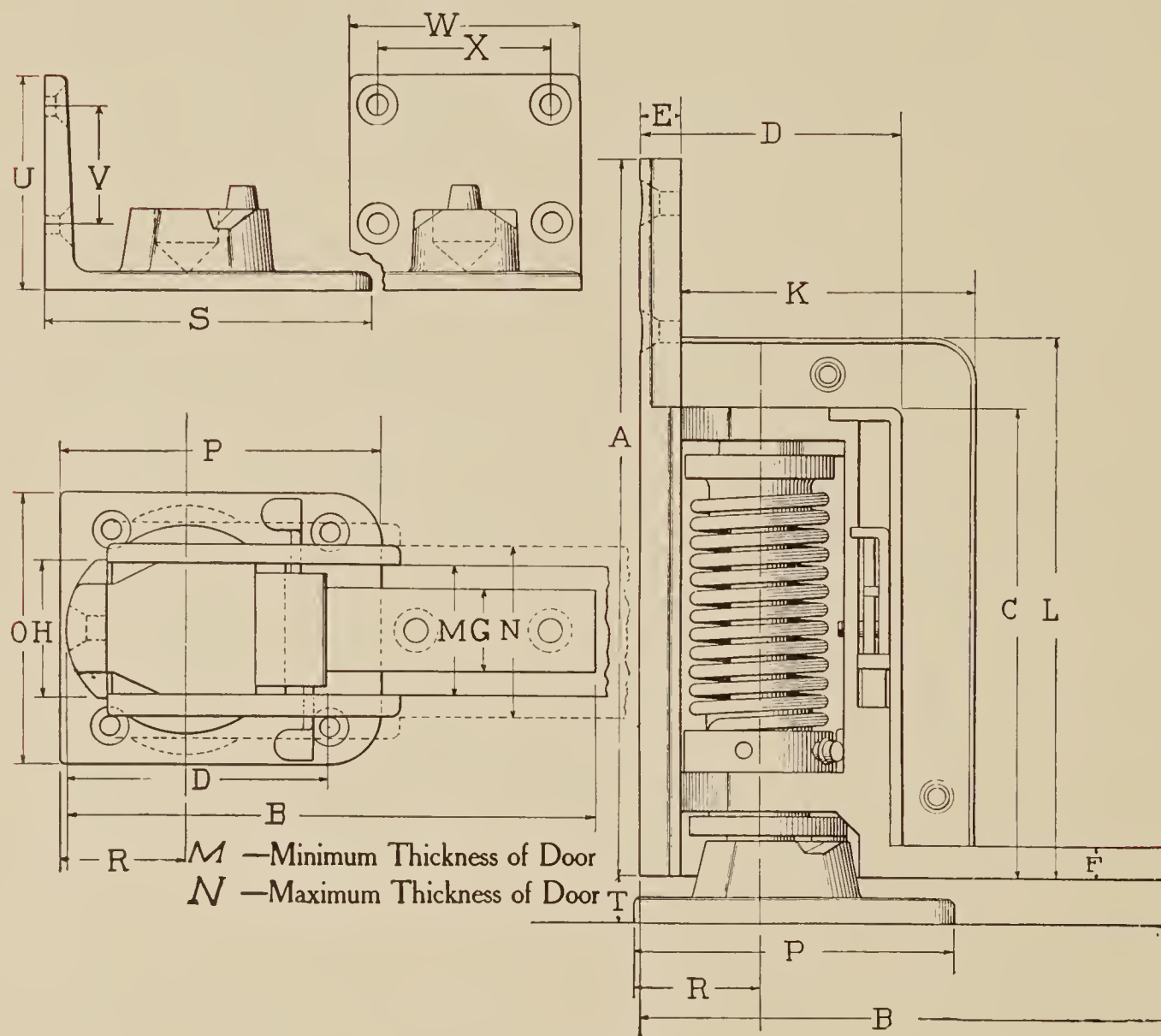
(See Pages 12, 13, 14 and 15)

TRADE **CHICAGO** MARK

SPRING HINGES

Chicago "Relax" Spring Pivot-Hinges

Detail Drawing with Approximate Measurements



Type 6001

APPROXIMATE DIMENSIONS IN INCHES

Template Blue Print or Template Hinge Will Be Sent on Request

For Doors	A	B	C	D	E	F	G	H	K	L	M	N	O	P	R	S	T	U	V	W	X
1 ¹ / ₈ to 1 ¹ / ₂	8 ¹ / ₁₆	5 ⁷ / ₈	5 ³ / ₈	2 ³ / ₄	15 ³² / ₃₂	3 ⁸ / ₈	3 ⁴ / ₄	1 ³ / ₁₆	3 ¹ / ₁₆	6 ¹ / ₄	1 ¹ / ₈	1 ¹ / ₂	2 ¹³ / ₁₆	3 ¹ / ₂	1 ⁵ / ₁₆	3 ¹³ / ₁₆	7 ¹⁶ / ₁₆	2 ¹ / ₂	1 ³ / ₈	2 ¹³ / ₁₆	2 ¹ / ₁₆
1 ¹ / ₂ to 2	8 ³ / ₈	6 ¹ / ₈	5 ¹ / ₂	3 ¹ / ₁₆	15 ³² / ₃₂	3 ⁸ / ₈	1	1 ⁹ / ₁₆	3 ⁷ / ₁₆	6 ⁵ / ₁₆	1 ¹ / ₂	2	3 ³ / ₁₆	3 ³ / ₄	1 ¹ / ₂	4 ³ / ₃₂	9 ¹⁶ / ₁₆	2 ¹ / ₂	1 ³ / ₈	3 ³ / ₁₆	2 ³ / ₈
1 ³ / ₄ to 2 ³ / ₄	10	7 ¹¹ / ₁₆	7 ¹ / ₁₆	4	5 ⁸ / ₈	3 ⁸ / ₈	1 ³ / ₈	2 ¹ / ₈	4 ¹ / ₈	7 ⁷ / ₈	1 ³ / ₄	2 ³ / ₄	3 ¹³ / ₁₆	4 ¹ / ₂	2 ³ / ₁₆	4 ¹⁵ / ₁₆	1 ¹ / ₂	3 ¹ / ₄	1 ³ / ₄	3 ¹³ / ₁₆	2 ³ / ₄

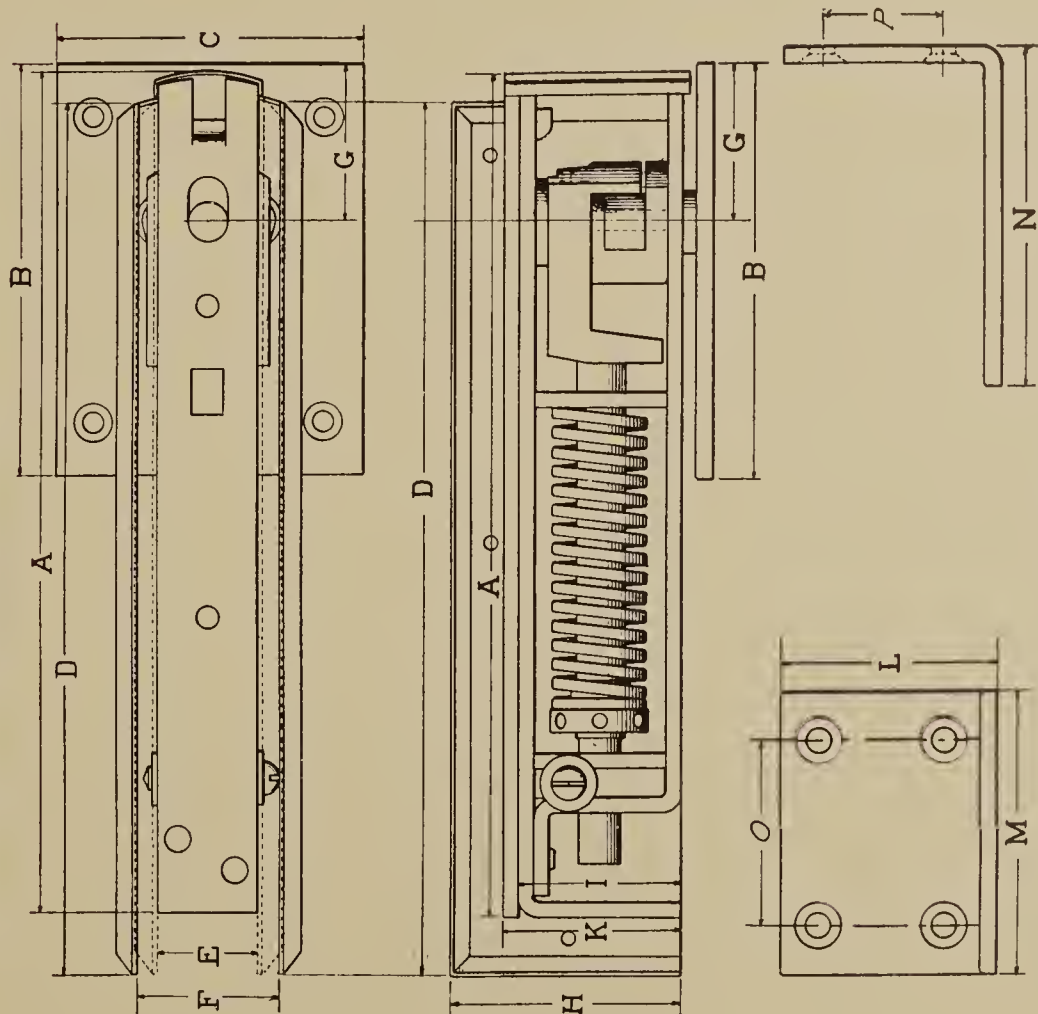
No hanging strip is required. Jamb edge of door is slightly rounded.

This hinge is furnished, when so specified, with a special "Jamb Attaching Plate," for concrete floors, as shown by detail dimensions, "S," "U," "V," "W" and "X." It is applied to the door casing.

(See Pages 20 and 21)

Chicago "Premier" Spring Pivot-Hinges

Detail Drawing with Approximate Measurements



Type 4001

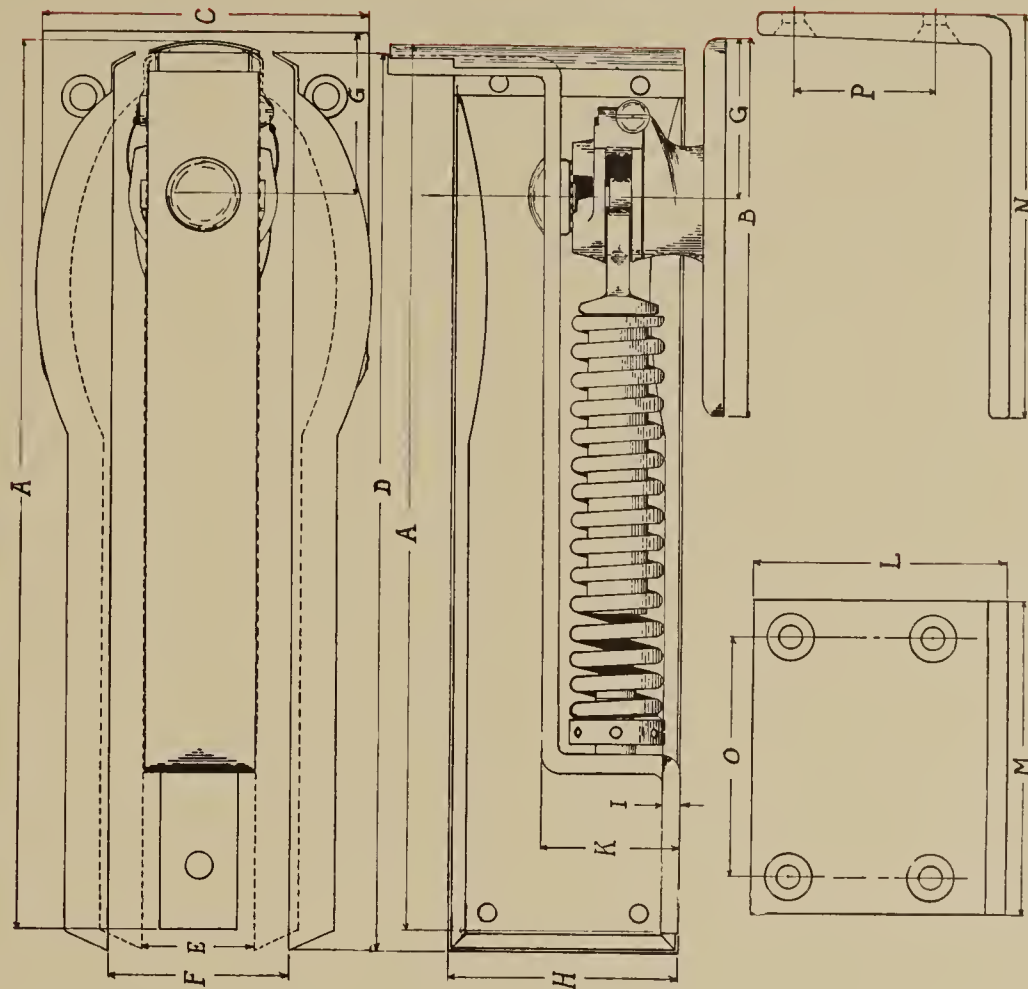
APPROXIMATE DIMENSIONS IN INCHES
Template Blue Print or Template Hinge will be sent on request.

For Doors	A	B	C	D	E	F	G	H	I	K	L	M	N	O	P
1 1/8 to 1 3/4	9 1/8	4	3	9 3/16	1 1/8	1 3/4	1 5/8	2 1/2	1 1/2	1 5/8	2 3/8	3	3 1/16	2	1 5/16
1 3/4 to 2 3/4	10 1/4	4 1/2	3 1/16	10 1/4	1 3/4	2 3/4	2 1/8	2 5/8	2	2 3/16	3 1/4	3 13/16	4 3/4	2 3/4	1 3/4

No hanging strip is required. Jamb edge of door is slightly rounded.
This hinge is furnished, when so specified, with a special "Jamb Attaching Plate" for concrete floors, as shown by detail dimensions "L," "M," "N," "O," and "P." It is applied to the door casing. These plates are a part of the hinge and cannot be supplied individually for the regular hinges.
(See Pages 22 and 23)

Chicago "Ajax" Spring Pivot-Hinges

Detail Drawing with Approximate Measurements



Type 3001

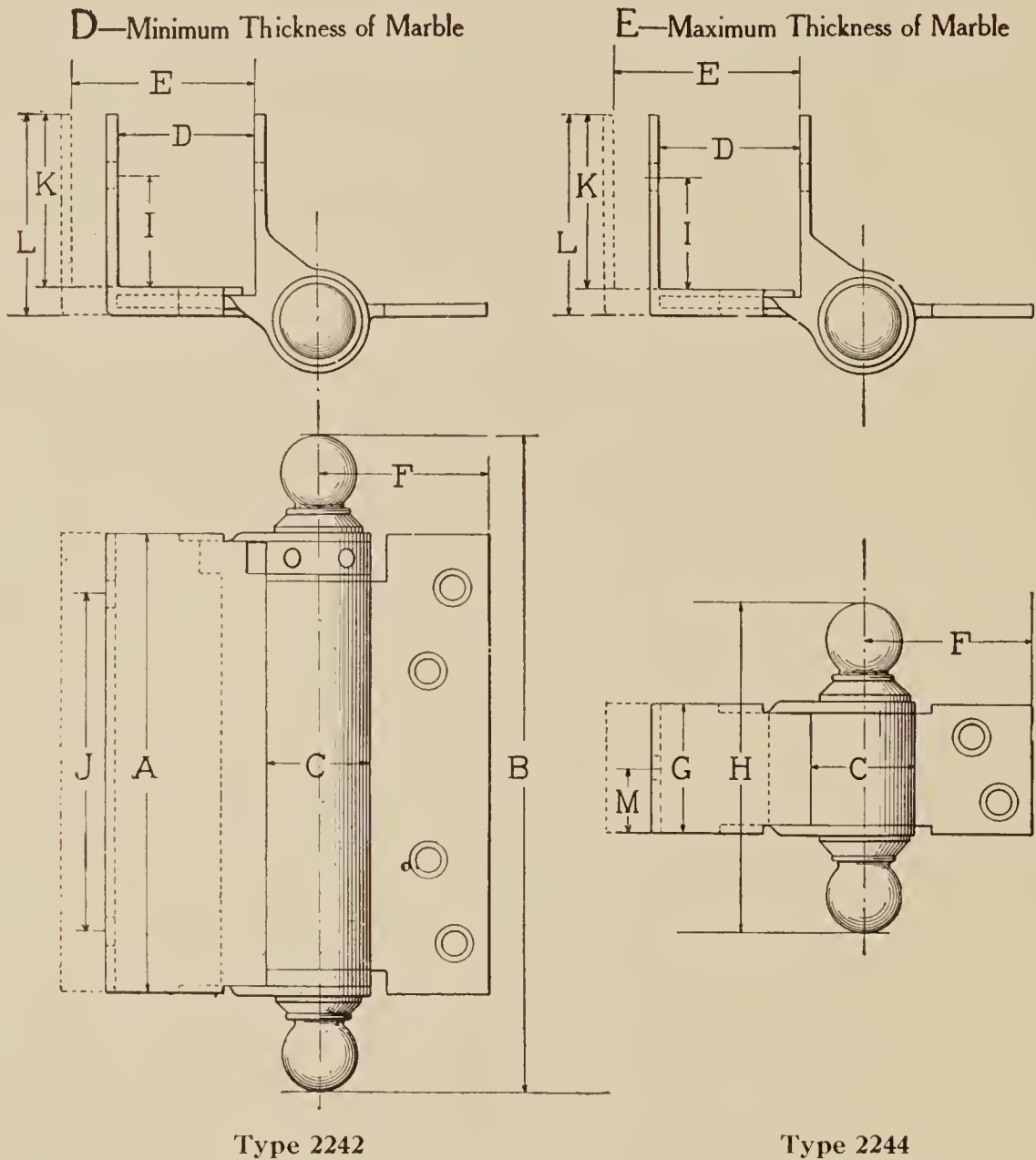
APPROXIMATE DIMENSIONS IN INCHES
Template Blue Print or Template Hinge will be sent on request.

For Doors	A	B	C	D	E	F	G	H	I	K	L	M	N	O	P
1 1/8 to 1 3/4	8 13/16	3 3/4	3 3/16	9	1 1/8	1 3/4	1 5/8	2 1/4	3/16	1 3/8	2 1/2	3 1/8	4	2 3/8	1 3/8

No hanging strip is required. Jamb edge of door is slightly rounded.
This hinge is furnished, when so specified, with special "Jamb Attaching Plate" for concrete floor, as shown by detail dimensions "L," "M," "N," "O," and "P." It is applied to the door casing. These plates are a part of the hinge and cannot be supplied individually for the regular hinges.
(See Page 24)

Chicago "Triplex" Lavatory Spring Hinges

Detail Drawing with Approximate Measurements



APPROXIMATE DIMENSIONS IN INCHES

Template Blue Print or Template Hinge Will Be Sent on Request

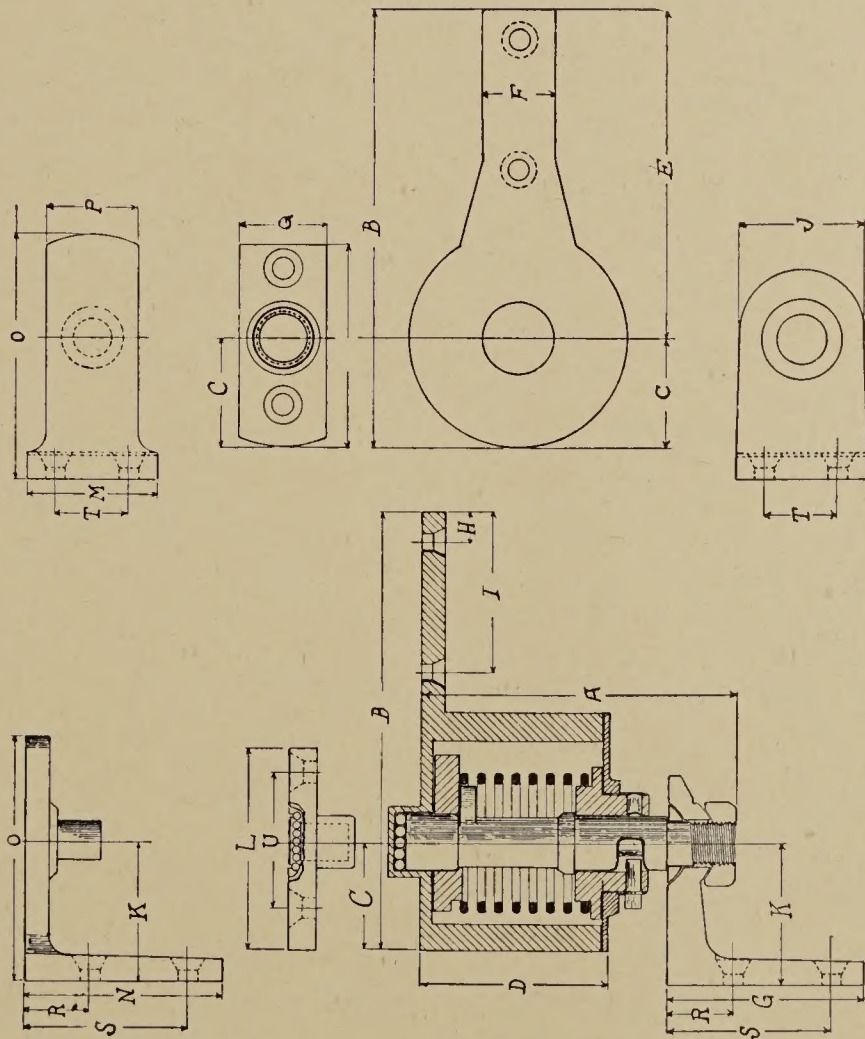
*Partition Thickness	A	B	C	D	E	F	G	H	I	J	K	L	M
1 inch	4	5 ⁵ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	1 ¹ / ₈	1 ⁷ / ₁₆	1 ¹ / ₈	2 ⁷ / ₈	1 ⁵ / ₁₆	2 ⁷ / ₈	1 ¹ / ₂	1 ³ / ₄	9 ⁹ / ₁₆
1 ¹ / ₄ inches	4	5 ⁵ / ₈	7 ⁷ / ₈	1 ¹ / ₈	1 ³ / ₈	1 ⁷ / ₁₆	1 ¹ / ₈	2 ⁷ / ₈	1 ⁵ / ₁₆	2 ⁷ / ₈	1 ¹ / ₂	1 ³ / ₄	9 ⁹ / ₁₆
1 ¹ / ₂ inches	4	5 ⁵ / ₈	7 ⁷ / ₈	1 ³ / ₈	1 ⁵ / ₈	1 ⁷ / ₁₆	1 ¹ / ₈	2 ⁷ / ₈	1 ⁵ / ₁₆	2 ⁷ / ₈	1 ¹ / ₂	1 ³ / ₄	9 ⁹ / ₁₆
1 ³ / ₄ inches	4	5 ⁵ / ₈	7 ⁷ / ₈	1 ⁵ / ₈	1 ⁷ / ₈	1 ⁷ / ₁₆	1 ¹ / ₈	2 ⁷ / ₈	1 ⁵ / ₁₆	2 ⁷ / ₈	1 ¹ / ₂	1 ³ / ₄	9 ⁹ / ₁₆
2 inches	4	5 ⁵ / ₈	7 ⁷ / ₈	1 ⁷ / ₈	2 ¹ / ₈	1 ⁷ / ₁₆	1 ¹ / ₈	2 ⁷ / ₈	1 ⁵ / ₁₆	2 ⁷ / ₈	1 ¹ / ₂	1 ³ / ₄	9 ⁹ / ₁₆

*Clamp flange of hinges is adjustable ¹/₈ inch over and under this partition thickness.
When so specified, hinges will be furnished with reverse action springs to hold the door open.

(See Page 28)

Chicago "Sagless" Gate Spring Pivot-Hinges

Detail Drawing with Approximate Measurements



Type 4007

APPROXIMATE DIMENSIONS IN INCHES

Template Blue Print or Template Hinge will be sent on request.

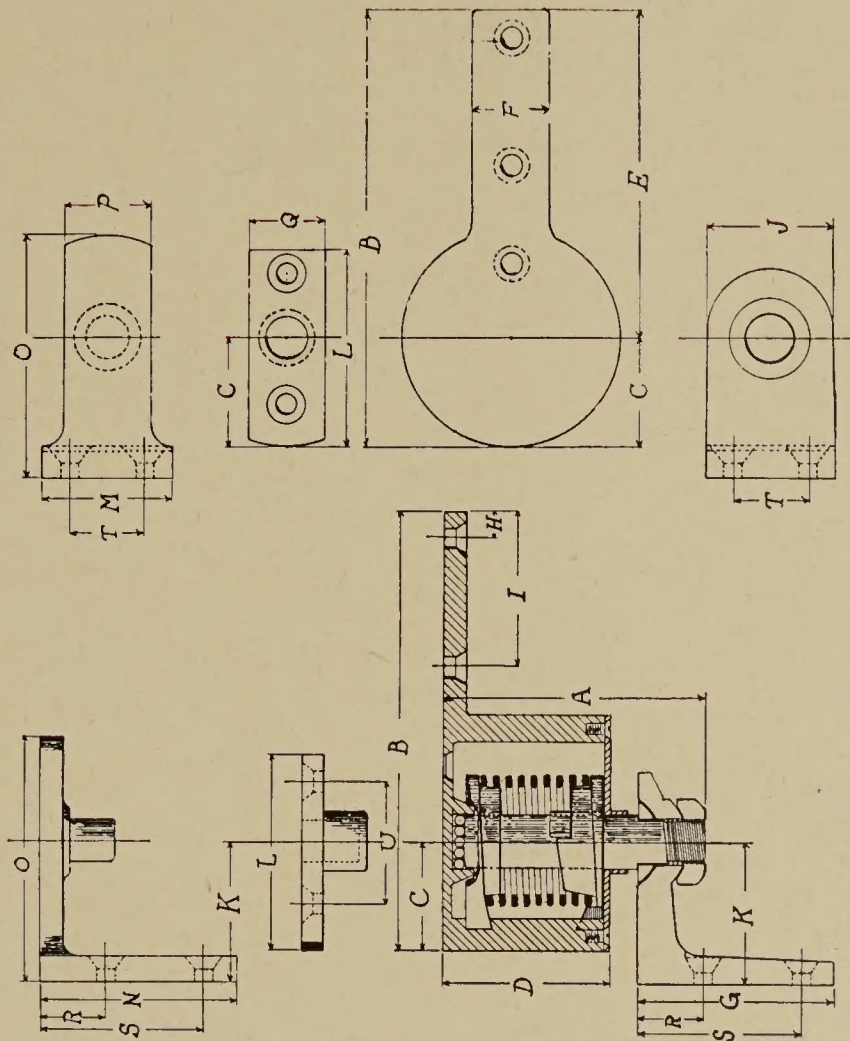
For Doors 1 1/8 to 2 1/2	A	B	C	D	E	F	G	H	I	J	K
	3 9/16	5	1 1/4	2 1/8	3 3/4	7/8	2 1/4	7/16	1 7/8	1 1/2	1 5/8
	L	M	N	O	P	Q	R	S	T	U	
	2 5/16	1 1/2	2 1/4	2 13/16	1 1/8	1	3/4	1 7/8	1 3/16	1 1/2	

Jamb edge of gate is slightly rounded.
No hanging strip is required. If hanging strip is used, it must be at least as wide as dimension "J" and extend below gate at least 7 inches. If gate extends to floor level, use Type 4007M-RB hinge (similar to Type 6007M-RB illustrated on Page 40). Detail Drawing Type 4007M-RB will be sent on request.

(See Page 40)

Chicago "Sagless" Gate Spring Pivot-Hinges

Detail Drawing with Approximate Measurements



Type 6007

APPROXIMATE DIMENSIONS IN INCHES

Template Blue Print or Template Hinge will be sent on request.

For Doors 7/8 to 2 1/2	A	B	C	D	E	F	G	H	I	J	K
	3 1/2	5	1 1/4	1 15/16	3 3/4	7/8	2 1/4	7/16	1 7/8	1 1/2	1 5/8
	L	M	N	O	P	Q	R	S	T	U	
	2 9/16	1 1/2	2 1/4	2 13/16	1 1/8	7/8	3/4	1 7/8	1 3/16	1 1/2	

Jamb edge of gate is slightly rounded.
No hanging strip is required. If hanging strip is used, it must be at least as wide as dimension "J" and extend below gate at least 4 1/2 inches. If gate extends to floor level, use Type 6007M-RB hinge (illustrated on Page 40). Detail drawing of Type 6007M-RB will be sent on request.

(See Page 40)

Table of Approximate Weights

Chicago "Triplex" Spring Butt-Hinges

SIZE	Weight per Pair with Screws	
	Double Acting Type 2001	Single Acting Type 2002
3 in. $\frac{3}{4}$ to 1 in.	2 $\frac{3}{8}$ pounds	1 $\frac{3}{8}$ pounds
4 in. $\frac{7}{8}$ to 1 $\frac{1}{4}$ in.	3 $\frac{1}{4}$ "	2 "
5 in. 1 $\frac{1}{8}$ to 1 $\frac{1}{2}$ in.	5 "	3 $\frac{1}{8}$ "
5 in. (Gate Type)		4 $\frac{3}{8}$ "
6 in. 1 $\frac{1}{4}$ to 1 $\frac{3}{4}$ in.	7 $\frac{1}{2}$ "	4 $\frac{1}{2}$ "
6 in. (Gate Type)	9 $\frac{1}{2}$ "	
7 in. 1 $\frac{3}{8}$ to 2 in.	10 $\frac{1}{2}$ "	6 $\frac{1}{4}$ "
8 in. 1 $\frac{1}{2}$ to 2 $\frac{1}{4}$ in.	16 "	8 $\frac{1}{2}$ "
10 in. 1 $\frac{3}{4}$ to 2 $\frac{1}{2}$ in.	24 "	13 $\frac{1}{4}$ "
12 in. 2 $\frac{1}{4}$ to 3 in.	38 $\frac{1}{2}$ "	21 "

Chicago "Simplex" Spring Butt-Hinges

SIZE	Weight per Pair with Screws	
	Double Acting Type 9001	Single Acting Type 9002
3 in. $\frac{3}{4}$ to 1 in.	2 $\frac{3}{4}$ pounds	1 $\frac{1}{2}$ pounds
4 in. $\frac{7}{8}$ to 1 $\frac{1}{4}$ in.	3 $\frac{1}{2}$ "	2 "
5 in. 1 $\frac{1}{8}$ to 1 $\frac{1}{2}$ in.	5 $\frac{1}{2}$ "	3 $\frac{1}{8}$ "
6 in. 1 $\frac{1}{4}$ to 1 $\frac{3}{4}$ in.	8 "	4 $\frac{1}{2}$ "
7 in. 1 $\frac{3}{8}$ to 1 $\frac{1}{2}$ in.	11 $\frac{1}{4}$ "	6 "
8 in. 1 $\frac{3}{4}$ to 2 in.	16 $\frac{3}{4}$ "	9 "
10 in. 1 $\frac{3}{4}$ to 2 $\frac{1}{4}$ in.	27 $\frac{3}{4}$ "	10 $\frac{1}{2}$ "

Chicago Spring and Springless Butt-Hinges

SIZE	Weight per Pair with Screws	
	Spring Hinges Type 1 $\frac{1}{2}$	Springless Hinges Type 3 $\frac{1}{2}$
$\frac{7}{8}$ to 1 in.	4 $\frac{3}{8}$ pounds	1 $\frac{3}{8}$ pounds
1 $\frac{1}{8}$ to 1 $\frac{1}{4}$ in.	5 $\frac{3}{4}$ "	1 $\frac{1}{2}$ "
1 $\frac{3}{8}$ to 1 $\frac{1}{2}$ in.	10 "	2 $\frac{3}{8}$ "
1 $\frac{3}{4}$ to 2 in.	15 $\frac{1}{4}$ "	3 $\frac{1}{2}$ "
2 $\frac{1}{4}$ to 2 $\frac{1}{2}$ in.	29 $\frac{3}{8}$ "	6 $\frac{1}{2}$ "
2 $\frac{3}{4}$ to 3 in.	42 $\frac{1}{4}$ "	9 $\frac{1}{2}$ "

Chicago "Relax" Spring Pivot-Hinges—Type 6001

SIZE	Weight per Set with Screws
1 $\frac{1}{8}$ to 1 $\frac{1}{2}$ in.	5 $\frac{5}{8}$ pounds
1 $\frac{1}{2}$ to 2 in.	7 $\frac{5}{8}$ "
1 $\frac{3}{4}$ to 2 $\frac{3}{4}$ in.	13 "

Chicago "Non-Release" Spring Pivot-Hinges Type NR6001

SIZE	Weight per Set with Screws
1 $\frac{1}{8}$ to 1 $\frac{1}{2}$ in.	5 pounds
1 $\frac{1}{2}$ to 2 in.	7 $\frac{1}{4}$ "
1 $\frac{3}{4}$ to 2 $\frac{3}{4}$ in.	12 $\frac{1}{4}$ "

Chicago "Premier" Spring Pivot-Hinges Type 4001

SIZE	Weight per Set with Screws
1 $\frac{1}{8}$ to 1 $\frac{3}{4}$ in.	4 $\frac{3}{8}$ pounds
1 $\frac{3}{4}$ to 2 $\frac{3}{4}$ in.	8 "

Chicago "Ajax" Spring Pivot-Hinges—Type 3001

SIZE	Weight per Set with Screws
1 $\frac{1}{8}$ to 1 $\frac{3}{4}$ in.	3 $\frac{5}{8}$ pounds

Chicago "Eight Thousand" Spring Pivot-Hinge

SIZE	Weight per Set with Screws
1 $\frac{1}{8}$ to 1 $\frac{3}{4}$ in.	3 $\frac{1}{2}$ pounds

Chicago "Durex" Spring Pivot-Hinges—Type 17001

SIZE	Weight per Set with Screws
1 $\frac{1}{8}$ to 1 $\frac{3}{4}$ in.	3 pounds

Chicago Spring Pivot-Hinges—Type 5001

SIZE	Weight per Set with Screws
$\frac{7}{8}$ to 1 $\frac{1}{2}$ in.	6 pounds
1 $\frac{3}{8}$ to 2 in.	7 $\frac{7}{8}$ "
2 to 2 $\frac{1}{2}$ in.	10 $\frac{1}{2}$ "
2 $\frac{1}{2}$ to 3 $\frac{1}{2}$ in.	11 "

Chicago Lavatory Door Bolts

No.	Weight Each with Screws
1250K.	$\frac{3}{4}$ pound
1254K.	$\frac{3}{4}$ "
1242K.	$\frac{3}{4}$ "
1252K.	1 "
1236K.	1 $\frac{1}{2}$ "
1238K.	1 $\frac{1}{2}$ "
1240K.	1 "
1248K.	5 $\frac{5}{8}$ "
1244K.	5 $\frac{5}{8}$ "

Chicago Lavatory Spring Hinges

No.	Weight with Bolts and Screws
2242—4 in.	2 $\frac{7}{8}$ pounds
2142—3 in.	2 $\frac{1}{4}$ "
2242A.	4 $\frac{1}{8}$ "
22242.	3 $\frac{1}{2}$ "
2241.	4 $\frac{3}{4}$ "
2241A.	6 $\frac{1}{8}$ "
2242, 4 in.—2244.	2 "
2242A—2244A.	3 "
2842.	3 $\frac{5}{8}$ "
2742.	3 $\frac{3}{8}$ "
2642.	5 $\frac{1}{2}$ "
2542.	4 $\frac{1}{2}$ "
2842—2844.	2 $\frac{1}{2}$ "
2742—2744.	2 $\frac{3}{8}$ "
2642—2644.	4 "
2542—2544.	3 $\frac{1}{8}$ "
F2222.	2 $\frac{5}{8}$ "
F2222—F2224.	2 "
2442—4 in.	3 "
2443—3 in.	2 $\frac{1}{8}$ "
2442, 4 in.—2444.	2 $\frac{1}{4}$ "
2442, 4 in.—2446.	2 $\frac{1}{2}$ "
C6221.	5 $\frac{1}{2}$ "
P6221.	4 $\frac{1}{2}$ "
F6221.	4 $\frac{1}{2}$ "
FR6221.	4 $\frac{1}{2}$ "
C or CI7227S or M.	3 $\frac{1}{8}$ "
P7227S or M.	2 $\frac{3}{8}$ "
F or FR7227S or M.	2 $\frac{1}{4}$ "
C or CI6227S or M.	3 $\frac{3}{4}$ "
P6227S or M.	3 $\frac{1}{8}$ "
F or FR6227S or M.	3 "
C or CI4227S or M.	4 $\frac{1}{4}$ "
P4227S or M.	3 $\frac{5}{8}$ "
F or FR4227S or M.	3 $\frac{3}{4}$ "

Lavatory Door Stops

No.	Weight with Bolts and Screws
1247A, B, C, D, E, F, G, H.	$\frac{5}{8}$ pound
11247A, B.	1 "
1347A.	$\frac{5}{8}$ "
1253.	$\frac{3}{4}$ "
D1253.	$\frac{7}{8}$ "

Chicago Gravity Pivot-Hinges

No.	Weight with Bolts and Screws
C or CI47227S.	3 $\frac{1}{2}$ pounds
P47227S.	3 $\frac{5}{8}$ "
F47227S.	2 $\frac{1}{2}$ "
F47228S.	2 $\frac{3}{4}$ "

Sagless Gate Spring Pivot-Hinges

Type	Weight per set with Screws
4007.	3 $\frac{1}{2}$ pounds
6007.	3 $\frac{1}{8}$ "
7007.	2 $\frac{1}{2}$ "

Chicago Screen Door and Cabinet Spring Hinges

Type	Weight with Screws
2005.	1 $\frac{1}{2}$ pounds
3005.	1 $\frac{1}{4}$ "
4005.	1 $\frac{1}{4}$ "
8005-18005.	$\frac{7}{8}$ "
28005-38005.	1 "
5005.	1 "
6005.	1 $\frac{1}{8}$ "
505 (without screws) Grosspairs	96 "
505x.	102 "
605 (without screws) " "	102 "
605x.	108 $\frac{1}{4}$ "
1505.	126 "
1605.	132 "
7005.	208 $\frac{1}{2}$ "

Chicago Door Springs—Type 280

SIZE	Weight per Gross
9 in.	78 pounds
10 in.	84 "
11 in.	114 "
12 in.	132 "
13 in.	216 "
14 in.	240 "

Chicago "Reliance" Door Springs—Type 270

SIZE	Weight per Gross
7 in. (Light)	93 $\frac{3}{4}$ pounds
8 in. (Medium)	136 "
10 in. (Heavy)	247 $\frac{1}{2}$ "

Checking Door Closers—Type 25

SIZE	Weight per Gross
25 or 125.	3 pounds

These weights include the box and wrapping, but not the packing case or packing.
To calculate approximate gross weight, including packing case and packing, add 10% to above weights.
Weights given for Lavatory Spring Hinges with clamp flanges are for 1 $\frac{1}{4}$ in. partition.

